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Electrical & Electronics Abstracts

Science Abstracts Series B
July–December 1983

Author Index

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SIX-MONTHLY INDEXES TO SCIENCE ABSTRACTS

Cumulative indexes to Science Abstracts are published twice a year covering the period January-June and July-December. They comprise author and subject indexes and some specialised or 'small' indexes. For Physics Abstracts and Electrical & Electronic Abstracts the Author Index and Subject Index are published as separate volumes. In this case the small indexes are included in the Author Index volume.

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Applied electromagnetics; Florence, Italy, 4-6 Oct. 1982, [May-June 1983] 58911 (introductory abstract), 60165−6, 60191, 61115−16, 61217, 61233, 61601, 61647, 61758, 61795, 61839, 61851, 61881, 61988, 62641, 63198, 63289, 63772−3, 63848−9, 63876, 64362
Applied natural language processing; Santa Monica, CA, USA, 1-3 Feb. 1983, *(Assoc. Comput. Linguistics; Nav. Res. Lab)* [Assoc. Comput. Linguistics: Menlo Park, CA, USA 1983] 44585
Applied superconductivity; Knoxville, TN, USA, 30 Nov.-3 Dec. 1982, [May 1983] 42262 (introductory abstract), 43786, 43830−49, 43857−66, 43877−900, 43902−4, 46204−5, 46369, 46570−2, 47839, 48646−7, 49613−22, 49634−65, 49679−98, 49702−4, 49877, 51940−1, 52211, 52304−8, 52590−2, 52629−30
Atmospheric aerosols and ozone space observations; Ottawa, Canada, 16 May-2 June 1982, [1982] 41312−15
Automatic intelligent behaviour; Gaithersburg, MD, USA, 25-26 May 1983, *(IEEE; NBS)* [New York, USA: IEEE 1983] 50381−2, 50620−1
Automatic testing; Paris, France, 21-23 Sept. 1982, [Buckingham, Bucks., England: Network Exhibitions 1982] 32959 (introductory abstract), 32991, 33052−3, 33097, 33534, 33568, 33583, 33820, 33848, 34263, 35615, 35900−13, 37657, 38134, 38506−7, 40784−5
Automation; Moscow, USSR, 25 May-8 June 1983, [1983] 47412 (introductory abstract), 51673, 51925, 52143−4
Automotive applications of microprocessors; Dearborn, MI, USA, 7-8 Oct. 1982, *(IEEE) P.P.Fasang, J.G.Neuman (editor/s),* [New York, USA: IEEE 1982] 37605 (introductory abstract), 40783, 42161−2, 42173−86
Axes measurement systems; London, England, 2 March 1983, [London, England: IEE 1983] 32967 (introductory abstract), 35084, 36007−8
Better television by satellite; London, England, 14 March 1983, [London, England: IEEE 1983] 42288 (introductory abstract), 45634−8, 45643−4, 45657−62
Biomagnetism; Rome, Italy, 14-16 Sept. 1982, [March-April 1983] 40851−2, 41155−63, 46266−7, 46285
Biostereometrics '82; San Diego, CA, USA, 24-27 Aug. 1982, [1983] 57646−8, 63708
Bragg signal processing and output devices; San Diego, CA, USA, 24-25 Aug. 1982, [1983] 58918 (introductory abstract), 61220, 61237−41, 61280, 62076−80
Business telecoms; London, England, 24-26 May 1983, [Northwood, Middlx., England: Online Publications 1983] 47425 (introductory abstract), 50705−10, 50774−6, 50827, 50895, 50962, 51024, 51081−4, 51194, 51260, 51444
Canadian Nuclear Society 1982 Annual Conference; Toronto, Ont., Canada, 9 June 1982, *R.C.Oberth (editor/s),* [Toronto, Ont., Canada· Canadian Nucl. Soc. 1982] 36829−31
Cathode Workshop; Fort Monmouth, NJ, USA, 23-26 March 1982, [May-June 1983] 58912 (introductory abstract), 60364−78
Cement industry technical conference; San Antonio, TX, USA, 22-27 May 1983, *(IEEE)* [New York, USA: IEEE 1983] 47448 (introductory abstract), 52870, 52982−7
Characterisation and mitigation of multipath interference effects; London, England, 20 May 1983, [London, England: IEE 1983] 44386−9, 44531, 45433, 45450, 45596
Chemical vapour deposition; Eindhoven, Netherlands, 31 May-2 June 1983, *J.Bloem, G.Verspui, L.R.Wolff (editor/s),* [Eindhoven, Netherlands: Philips Centre Manuf. Technol. 1983] 58957 (introductory abstract), 59317, 59355−7, 59396−418, 60505, 60758, 61114, 64710
Chemistry of materials at high temperatures; Harwell, Oxon., England, 7-10 Sept. 1981, [1982] 37952, 41054
Cineradiography with photons or particles; Paris, France, 18-21 May 1981, *(CEA)* [1983] 58915 (introductory abstract), 60442, 61547, 63083, 63709, 63796
Circuits and systems; Toledo, OH, USA, 4-5 Aug. 1980, *A.R.Thorbjornsen, G.W.Zobrist (editor/s),* [North Hollywood, CA, USA: Western Periodicals 1980] 53017 (introductory abstract), 53062−4, 53155, 53192, 53253, 53333−4, 53480−8, 53513−18, 53547−50, 53565−8, 53593, 53605−6, 53689, 53719−21, 53745, 53892−3, 54147−50, 54204−26, 54277−85, 54401, 55262, 55290−1, 55718, 55759, 55854−5, 55940−9, 56014−15, 56039−40, 56081−4, 56344, 56447, 56580, 56658, 56821, 56965, 56979, 57809−10, 57974, 58770

Circuits and systems, 1981; Albuquerque, NM, USA, 29-30 June 1981, *S.Karni (editor/s),* [North Hollywood, CA, USA: Western Periodicals 1981] 47434 (introductory abstract), 47513, 47553, 47648, 47727, 47878, 47907–8, 48098, 48231, 48415, 48497–505, 48553–5, 48676, 49324, 50050, 50166–8, 50499–509, 50950–1, 51432, 51607, 51626, 52230, 52259, 53065, 53156, 53248–9, 53260, 53306, 53335–7, 53399, 53519–27, 53551–3, 53569, 53572, 53594–7, 53607–8, 53690–3, 53722–4, 53746, 54151–2, 54227–32, 54286–8, 54856–8, 55010–12, 55449, 55564, 55617–18, 55683, 55690, 55732, 55788–9, 55856–9, 55950–3, 56016–18, 56085–6, 56139, 56263, 56333, 56437, 56567–8, 56581, 56597, 56799, 57707, 57769, 57975–8, 58021–2, 58048, 58094–5, 58367–8

Circuits and systems, 1983; Newport Beach, CA, USA, 2-4 May 1983, [New York, USA: IEEE 1983] 47424 (introductory abstract), 47721–6, 47761, 47897–903, 47930–7, 47955, 47960–76, 47985–98, 48070, 48206–8, 48413, 48442–4, 48458–62, 48489–92, 48528–45, 48658, 49277, 49320–1, 49388–95, 49480–2, 50287, 50460–70, 50612–19, 51428–30, 53247, 53252, 53380–1, 53498–512, 53536–46, 53558–64, 53571, 53573, 53585–92, 53602–4, 53684–8, 53710–18, 53729, 53744, 53758–63, 53851–62, 54074–7, 54111, 54137–8, 54157, 54182–203, 54250–76, 54308–9, 54519–21, 54936, 54990–5004, 55047, 55563, 55682, 55758, 55932–9, 56013, 56294–5, 56422, 56714, 57807, 57970–3, 57991–3, 58013–20

Circuits and systems, Houghton; Houghton, MI, USA, 30-31 Aug. 1982, *(Dept. Electr. Eng. & Div. Educ. Public Services; Michigan Technol. Univ.; IEEE) R.E.Stuffle, P.H.Lewis (editor/s),* [North Hollywood, CA, USA: Western Periodicals 1982] 47444 (introductory abstract), 47516, 47618–19, 47649–50, 47728–9, 47879, 47883–4, 47909–13, 47940, 47950, 47954, 47977, 48038, 48078–80, 48099, 48399, 48506–17, 48556–67, 48597, 48620, 49241, 49325, 49575, 50180–1, 50267–8, 50338–9, 50385–7, 50516–32, 50626–7, 50722–3, 50956, 51628, 51955, 51976, 52004, 52234–6, 52745, 52840–1

Circuits, systems & computers; Pacific Grove, CA, USA, 8-10 Nov. 1982, *(Naval Postgraduate School; Univ. Santa Clara; IEEE) D.E.Kirk (editor/s),* [New York, USA: IEEE 1983] 47431 (introductory abstract), 47660–7, 47904–6, 47938, 47956, 47999, 48071–3, 48353, 48446, 48463–4, 48546–52, 49404, 49855, 49901, 50209, 50334, 50383–4, 50472–97, 50622–4, 51027, 51279–86, 51322, 51606, 51688, 51926–7, 51988, 52014, 52060

Cohesive properties of semiconductors under laser irradiation; Cargese, Corsica, France, 19-30 July 1982, *L.D.Laude (editor/s),* [The Hague, Netherlands: Martinus Nijhoff 1983] 53030 (introductory abstract),

Communications architectures & protocols; Austin, TX, USA, 8-9 March 1983, *(ACM; Univ. Texas)* [March 1983] 42255 (introductory abstract), 44947–73, 45075, 45119, 45190–4, 45330

COMPCON Spring 83; San Francisco, CA, USA, 28 Feb.-3 March 1983, *(IEEE)* [New York, USA: IEEE 1983] 37611 (introductory abstract), 33506, 33569, 33599, 34265, 35118, 35471–3, 37688, 38173–5, 38235, 38277, 38998–9001, 40103, 40168–70, 40207, 40237, 40324–7, 40606, 40690, 41260

Computer aided engineering in design; London, England, 22 April 1983, [London, England: IEE 1983] 42281 (introductory abstract), 42381, 46500–1

Computer architecture; Stockholm, Sweden, 13-16 June 1983, *(IEEE; ACM)* [New York, USA: IEEE 1983] 53332, 53535, 53930–3, 54069–73, 54988–9, 55786, 56256, 56848

Computer arithmetic; Aarhus, Denmark, 20-22 June 1983, *(IEEE)* [New York, USA: IEEE 1983] 53013 (introductory abstract), 53863–71

Computer communication; London, England, 7-10 Sept. 1982, *(Int. Council Comput. Comm)* [June 1983] 62346

Computer communication; London, England, 7-10 Sept. 1982, *(Int. Council Comput. Comm) M.B.Williams (editor/s),* [Amsterdam, Netherlands: North-Holland 1982] 42293 (introductory abstract), 42333, 45003, 45017–19, 45067–72, 45148–53, 45183–7, 45241–80, 45324–8, 45358–60, 45371–92, 45420, 45449, 45512–17, 45557–61, 45639–40, 45719, 50711–13, 50781–2, 50899–947, 50967, 50980, 51063–4, 51085–9, 51484

Computer simulation, 1982; Denver, CO, USA, 19-21 July 1982, *(SCS)* [La Jolla, CA, USA: SCS 1982] 32955 (introductory abstract),

Computer software and applications; Chicago, IL, USA, 16-20 Nov. 1981, *(IEEE)* [1981] 35452

Computer systems organization; New Orleans, LA, USA, 29-31 March 1983, *(IEEE)* [New York, USA: IEEE 1983] 38278

Computers in cardiology; Seattle, WA, USA, 12-15 Oct. 1982, *(IEEE)* [Silver Spring, MD, USA: IEEE Computer Society Press 1983] 56771, 57680–92, 57710–55

Computing in medicine; Strathclyde, Scotland, Aug. 1981, *J.P.Paul, M.M.Jordan, M.W.Ferguson-Pell, B.J.Andrews (editor/s),* [London, England: Macmillan Press 1981] 58947 (introductory abstract),

Computing to aid the handicapped; Charlottesville, VA, USA, 4-5 Nov. 1982, *(IEEE)* [New York, USA: IEEE 1982] 56120, 56140, 57770

Condensed Matter Division of the EPS general conference; Lausanne, Switzerland, 28-30 March 1983, *(Swiss Nat. Sci. Found.; Swiss Soc. Natural Sci.; Federal Inst. Technol)* [1983] 53003 (introductory abstract), 54578, 54634, 54715

Consumer electronics; Des Plaines, IL, USA, 8-10 June 1983, *(IEEE)* [1983] 58922 (introductory abstract), 59614, 59695, 60443, 60899, 60951–3, 61732, 61960–1, 62172, 62292, 62653, 62728, 62854–61, 62884–5, 62913–17, 62919, 62930, 62951, 62977–8, 63041, 63497, 64614, 64853

Control science and technology; Kyoto, Japan, 24-28 Aug. 1981, *H.Akashi (editor/s),* [Oxford, England: Pergamon 1982] 64772

Cosmic rays, 1981; Samarkand, USSR, 27-29 Oct. 1981, [1982] 57837

Cost 204/ESA Phased-Array Workshop; Noordwijk, Netherlands, 13 June 1983, [Noordwijk, Netherlands: ESA 1983] 58952 (introductory abstract), 61870–80

Creation and behaviour of short fatigue cracks; Sheffield, England, Jan. 1982, [1982] 33296

Crime countermeasures and security; Lexington, KY, USA, 11-13 May 1983, *(Univ. Kentucky; IEEE) J.S.Jackson, R.W.De Vore (editor/s),* [Lexington, KY, USA: Univ. Kentucky 1983] 53028 (introductory abstract), 53157–60, 56089–92, 56121, 56281, 56485–6, 56666, 56894–5

Custom device testing; London, England, 7 March 1983, [London, England: IEE 1983] 37625 (introductory abstract), 38084, 38176

Custom integrated circuits; Rochester, NY, USA, 23-25 May 1983, *(IEEE)* [New York, USA: IEEE 1983] 47432 (introductory abstract), 47461, 47939, 48035–6, 48074, 48211–29, 48272, 48354–7, 48414, 48447–9, 48494–6, 48881, 48961, 49055, 49166, 49230, 49264, 49322–3, 49405–18, 49443–4, 49491–510, 50498, 50948–9, 50981, 51004, 51431, 51589, 51632, 51689, 51706, 51800, 52658, 52908–10

Database week: engineering design applications; San Jose, CA, USA, 23-26 May 1983, *(ACM; IEEE)* [New York, USA: IEEE 1983] 49386–7, 50894

Decision sciences, 1980; Phoenix, AZ, USA, 12-14 March 1980, *P.A.Vandenberg, J.R.Beatty (editor/s),* [Atlanta, GA, USA: American Inst. Decision Sci. 1980] 53276, 53295–7, 53338, 53382

Decision sciences 1983; Reno, NV, USA, 16-18 March 1983, *J.P.Dickson, D.Umstot (editor/s),* [Atlanta, GA, USA: American Inst. Decision Sci. 1983] 55760, 58907

Decision sciences, Hilo; Hilo, HI, USA, 18-21 March 1981, *M.D.Geurts, T.N.Lee (editor/s),* [Atlanta, GA, USA: American Inst. Decision Sci. 1981] 53277, 53298–300, 53308, 53383–4

Defect complexes in semiconductor structures; Matrafured, Hungary, 13-17 Sept. 1982, *(Hungarian Acad. Sci.; Roland Eotvos Phys. Soc) J.Giber, F.Beleznay, I.C.Szep, J.Laszlo (editor/s),* [Berlin, Germany: Springer-Verlag 1983] 53027 (introductory abstract),

Defects in semiconductors; Boston, MA, USA, Nov. 1982, *S.Mahajan, J.W.Corbett (editor/s),* [New York, USA: North-Holland 1983] 58956 (introductory abstract), 59353–4, 60502–4, 60539, 60603, 60801, 60864, 60992, 61310

Desalination and water re-use; Florence, Italy, 23-27 May 1983, [May 1983] 64899 (introductory abstract), 64278, 64902

Design automation, 20th ACM IEEE conference; Miami Beach, FL, USA, 27-29 June 1983, [New York, USA: IEEE 1983] 58946 (introductory abstract), 59070, 59520–32, 59810–35, 59974–5, 60301, 60764, 60923–46, 60957–8, 60984–91

Detectors in heavy-ion reactions; Berlin, Germany, 6-8 Oct. 1982, *W.von Oertzen (editor/s),* [Berlin, Germany: Springer-Verlag 1983] 51910 (introductory abstract), 51911–16

Digital image processing IV; San Diego, CA, USA, 24-27 Aug. 1982, [1983] 42256 (introductory abstract), 42402, 44534, 44682–5, 44834–59, 45564–8, 45851–5, 45894–6, 45959, 46306, 46366

Digital processing of speech; London, England, 6 April 1983, [London, England: IEE 1983] 37622 (introductory abstract), 38366, 39883–4, 39920–6, 40015, 40173, 40364

Discharges and electrical insulation in vacuum; Columbia, SC, USA, Oct. 1982, [June 1983] 47409 (introductory abstract), 48717, 48889, 48896, 49517–30, 49532, 49537, 49540–4, 49548, 51892, 52775

Distributed computer control systems; Tallinn, USSR, 24-26 May 1982, *(IFAC) R.W.Gellie, R.-R.Tavast (editor/s),* [Oxford, England: Pergamon 1983] 45224–7

Distributed parameter systems; Toulouse, France, 29 June-2 July 1982, *(IFAC) J.-P.Babary, L.Le Letty (editor/s),* [Oxford, England: Pergamon 1983] 47658, 50241, 52003, 53294, 53379, 58366

Drives, motors, controls; Harrogate, Yorks., England, 12-14 Oct. 1983, *P.Lawrenson, A.Hughes (editor/s),* [London, England: Peter Peregrinus 1983] 58955 (introductory abstract), 60809, 60863, 64400–2, 64447–9, 64463, 64476, 64573–6, 64725–40

Dual channel TV sound - terrestrial broadcasting and reception; London, England, 18 April 1983, [London, England: IEE 1983] 37623 (introductory abstract), 40646–7, 40666–9

Electrical contacts; Chicago, IL, USA, 13-15 Sept. 1982, [March 1983] 37585 (introductory abstract), 38442, 38463–70, 38483–8, 39244, 40188, 41832, 41923–6

Electrical engineering problems in rubber and plastics industries; Akron, OH, USA, 11-12 April 1983, *(IEEE)* [New York, USA: IEEE 1983] 53029 (introductory abstract), 53161, 53229, 56401, 57029, 58479, 58577, 58611, 58736, 58897

Electro '80; Boston, MA, USA, 13-15 May 1980, [El Segundo, CA, USA: Electron. Conventions 1980] 47440 (introductory abstract), 47557–8, 47602, 48075–7, 48233–6, 48276–9, 48361–80, 48416–21, 48451, 48660–1, 48809, 49235, 49423–7, 49595–6, 49872, 50336, 50952–4, 50963, 50982–5, 51065, 51120–2, 51270–3, 51309, 51562–8, 51608–12, 51759, 52701

Electro '81; New York, USA, 7-9 April 1981, [El Segundo, CA, USA: Electron. Conventions 1981] 53010 (introductory abstract), 53053–6, 53533, 53645, 53680–2, 53756, 53814–16, 53919–21, 54002–21, 54106–7, 54130–1, 54307, 54550, 54556, 54979–82, 55041–3, 55213–16, 55234, 55240, 55297, 55717, 55730–1, 55736, 55837–41, 56008, 56037–8, 56075, 56156–8, 56226–38, 56289–91, 56342, 56375–9, 56546–50, 56579, 56582–4, 56664, 56683–6, 56797, 56815–19, 56893, 56941, 57814–15, 57850–3, 58791–2

Electro '82; Boston, MA, USA, 25-27 May 1982, [El Segundo, CA, USA: Electron. Conventions 1982] 58941 (introductory abstract), 58942–4, 58974, 58996–9001, 59005, 59043, 59093–4, 59125–6, 59637, 59729, 59802–9, 59886–90, 59964–72, 60026–31, 60065, 60194, 60218–19, 60921–2, 61208, 61743–7, 61979–82, 62142–3, 62407–15, 62444–6, 62743–5, 62758, 62781–3, 63077–8, 63119, 63173, 63282–4, 63382–4, 63433–4, 63804, 63829, 63926, 64776, 64842–4, 64890

Electro '83; New York, USA, 19-21 April 1983, *(IEEE; et al)* [El Segundo, CA, USA: Electron. Comventions 1983] 42277 (introductory abstract), 42278, 42328–32, 42342–3, 42364, 42427–30, 42701–2, 42787, 42810–12, 42875–84, 42927–31, 42974–8, 43017, 43027–31, 43125, 43140–2, 43180, 43188–9, 43200, 43249, 43617, 43674–5, 43737–41, 43773, 43988–9, 44006, 44420–3, 44482, 44664–6, 44823–4, 44931–2, 45062–4, 45233–9, 45306, 45323, 45481, 45594, 45838, 45846, 45873, 46048–50, 47046, 47098, 47105–6

Electrochemical Society meeting; San Francisco, CA, USA, 8-13 May 1983, [Pennington, NJ, USA: Electrochem. Soc. 1983] 47426 (introductory abstract),

Electrochemical Society technical meeting; Washington, DC, USA, 9-14 Oct. 1983, [Pennington, NJ, USA: Electrochem. Soc. 1983] 58958 (introductory abstract),

Electromagnetic compatibility; Wroclaw, Poland, 17-19 Sept. 1980, [May 1983] 46590 (introductory abstract),

Electronic components; Orlando, FL, USA, 16-18 May 1983, *(IEEE; Electron. Ind. Assoc)* [New York, USA: IEEE 1983] 47433 (introductory abstract), 47593–601, 47616, 47629–30, 47857, 47860, 48230, 48273, 48358, 48675, 48682–90, 48706, 48732–40, 48751, 48763, 48794–7, 48805–6, 48808, 48813–17, 48833–9, 48860–72, 48882–7, 48962, 49167, 49278, 49419–22, 49511, 49603, 49772, 49856, 51690, 51707, 52302

Electronic displays; London, England, 5-7 Oct. 1982, [Buckingham, Bucks., England: Network Exhibition 1982] 32960 (introductory abstract), 33598, 33851, 35339, 35931–8, 36088–94, 36401

Electronic filters; London, England, 28 March 1983, [London, England: IEE 1983] 32969 (introductory abstract), 33602–4, 33629, 33647–9, 35574

Electrophotography; Washington, DC, USA, 15-18 Nov. 1981, [May-June 1982] 34586–7, 34921, 34941

Electrostatics 83; Oxford, England, 13-15 April 1983, *(IOP) S.Singh (editor/s),* [Bristol, England: IOP 1983] 39528 (introductory abstract), 39059, 39529–35, 39551, 40973, 41013–15, 41032, 41089, 42109, 42683, 44311–18, 44330–2, 46112, 46156

Emission electronics; Moscow, USSR, Dec. 1981, [1982] 37582 (introductory abstract), 38530–8, 38542, 38766
Emissive displays; Cherry Hill, NJ, USA, 19-21 Oct. 1982, [1982] 47413 (introductory abstract), 48914–16, 49864, 51394–5, 51584–6, 51783–6, 52011
Emissive displays; Cherry Hill, NJ, USA, 19-21 Oct. 1982, [1982] 51396, 51787–95
Energy for the eighties; Los Angeles, CA, USA, 28 Oct. 1980, *(Los Angeles Council Eng. Sci)* [North Hollywood, CA, USA: Western Periodicals Company 1980] 53019 (introductory abstract), 53103, 57811, 57979–82, 58165, 58203–5, 58239, 58259, 58327, 58369–70, 58386, 58771–2, 58822, 58857
Energy policy for Australia; Canberra, Australia, 11-13 May 1983, *(Australian Inst. Energy; Instn. Eng., Australia)* [Barton, Australia: Instn. Eng., Australia 1983] 53014 (introductory abstract), 53015, 53102, 57878, 58158–64, 58202, 58238
Energy technology and society, computers, electronics; Athens, OH, USA, 15-16 Oct. 1979, *(Ohio Univ.; IEEE) G.V.S.Raju (editor/s),* [New York, USA: IEEE 1983] 53021 (introductory abstract), 53022–3, 54092, 54851, 55014, 56556, 58166–8, 58206, 58311
Energy use management; Berlin, Germany, 1981, [1982] 42261 (introductory abstract), 42323, 46646–9, 47361, 47367, 47394
EPRI cogeneration seminar; Berkeley, CA, USA, 28-30 July 1982, [Palo Alto, CA, USA: EPRI 1983] 42285 (introductory abstract),
Ergonomics Society proceedings; Cambridge, England, March 1983, *K.Coombes (editor/s),* [London, England: Taylor & Francis 1983] 56174
ESM systems; London, England, 20 April 1983, [London, England: IEE 1983] 37624 (introductory abstract), 40570, 40586–95
European Conference on Optical Communication; Cannes, France, 21-24 Sept. 1982, [Paris, France: Conference Europeenne sur les Communications Optiques 1982] 33269, 33333, 34527–31, 34786–7, 34837, 35688–9
European rocket & balloon programmes & related research; Interlaken, Switzerland, 11-15 April 1983, [Paris, France: ESA 1983] 53032 (introductory abstract),
Excimer lasers; Incline Village, NV, USA, 10-12 Jan. 1983, *(Opt. Soc. America; Air Force Office Sci. Res.; IEEE)* [1983] 54502, 55308, 55492
Excimer lasers; Incline Village, NV, USA, 10-12 Jan. 1983, *(Opt. Soc. America; Air Force Office Sci. Res.; IEEE)* [Washington, DC, USA: Opt. Soc. America 1983] 32956 (introductory abstract), 34120, 34158, 34714–23, 34838–49, 34878–82, 35690, 36416
Fast, thermal and fusion reactor experiments; Salt Lake City, UT, USA, 12-15 April 1982, *(ANS)* [LaGrange Park, IL, USA: ANS 1982] 36006
Fault tolerant computing; Milan, Italy, 28-30 June 1983, *(IEEE)* [New York, USA: IEEE 1983] 53764, 53872–91, 54078–81, 54139, 55005–8, 55787, 56079, 56258–62, 56382–4, 56767, 57798, 57804
Fiber optics, 1982; San Diego, CA, USA, 24-25 Aug. 1982, [1982] 37584 (introductory abstract), 39187–91, 39466, 40528–32, 40885, 43938, 45527–35, 46336, 46342
Field measurement and calibration using electro-optical equipment: Issues and requirements; San Diego, CA, USA, 24-25 Aug. 1982, [1983] 52997 (introductory abstract), 55463, 55554, 56773–4, 57840–1
Fifteenth Hawaii International Conference on System Sciences 1982; Honolulu, HI, USA, 6-8 Jan. 1982, *(Univ. Hawaii; Univ. Southwestern Louisiana) W.Riddle, K.Thurber, P.Keen, R.H.Sprague Jr., B.Shriver, T.M.Walker, R.R.Grams (editor/s),* [HI, USA: Hawaii Int. Conference Syst. Sci. 1982] 53396, 54091, 55790, 55954, 56043–4, 56088, 56271–80, 56297, 57668–70, 57709, 57775–6, 61985–7, 62045, 62144–7, 62321, 62418–30, 63729–32, 63771, 63788–90
Finite element methods applied to electrical machines; London, England, 7 March 1983, [London, England: IEE 1983] 37614 (introductory abstract), 37875, 39521–2, 41770, 41786–90, 41801–2, 41825, 41846, 41852
Free electron lasers; Bendor, France, 26 Sept.-1 Oct. 1982, *(CNRS; CENS; et al)* [Feb. 1983] 42263 (introductory abstract), 39329–42, 44114–24, 44220–2, 44231, 44241
Fusion technology 1982; Julich, Germany, 13-17 Sept. 1982, [Oxford, England: Pergamon 1983] 32954 (introductory abstract), 33887, 34435–44, 34945–7, 36220, 36262–77, 36652, 36826–8, 37169–70
Future implications of cable; London, England, 10 June 1983, [London, England: IEE 1983] 47442 (introductory abstract), 51360, 51446–8
GaAs and related compounds; Albuquerque, NM, USA, 19-22 Sept. 1982, *(Air Force Office Sci. Res) G.E.Stillman (editor/s),* [Bristol, England: IOP 1983] 37615 (introductory abstract), 37907–10, 37943, 38648, 38822, 38927–35, 39002, 39433–4, 42614–21, 42885, 43143, 43333–7, 43373–6, 43395, 43427, 43432, 43504–7, 43561, 43596, 43613–14, 43676–81, 44052, 44072–4, 44105–6, 44215–16
Gamma- and x-ray spectrometry techniques and applications; Warsaw, Poland, 11 May 1981, [Feb. 1983] 32945 (introductory abstract),
Gate turn off devices; London, England, 4 May 1983, [London, England: IEE 1983] 42294 (introductory abstract), 43618–23
Geoscience and remote sensing; Munich, Germany, 1-4 June 1982, *(IEEE)* [1982] 63861
Grain boundaries in semiconductors; Boston, MA, USA, Nov. 1981, *H.J.Leamy, G.E.Pike, C.H.Seager (editor/s),* [New York, USA: North-Holland 1982] 33239, 33755–6, 33908, 33956–64, 33992, 34237, 37390, 38445–9, 38610–11, 38718, 38730, 38821, 38995
Guidance and control systems advances; Lisbon, Portugal, 12-14 Oct. 1982, [Neuilly-sur-Seine, France: AGARD 1983] 42280 (introductory abstract), 46341, 46350–6
Heat pumps; Brussels, Belgium, 28-29 April & 12-13 May 1982, *H.Ehringer, P.Zegers, G.Hoyaux, J.A.Knobbout (editor/s),* [Luxembourg: Comm. European Communities 1982] 58954 (introductory abstract), 64821–3, 64827–31, 64898
High energy limit; Erice, Italy, 31 July-11 Aug. 1980, *A.Zichichi (editor/s),* [New York, USA: Plenum 1983] 46235
High energy physics, 1982; Mysore, India, 6-11 Dec. 1982, [Bombay, India: Dept. Atomic Energy 1982] 46208
High energy spin; Westhampton Beach, NY, USA, Sept. 1982, [1982] 36221 (introductory abstract), 39546, 41061–5, 41070–6, 41085
High field magnetism; Osaka, Japan, 13-14 Sept. 1982, *M.Date (editor/s),* [Amsterdam, Netherlands: North-Holland 1983] 49627, 50076–7, 50080–1
High information density LCDs; London, England, 30 March 1983, [London, England: IEE 1983] 37612 (introductory abstract), 40951–6
High magnetic fields in semiconductor physics; Grenoble, France, 13-17 Sept. 1982, *G.Landwehr (editor/s),* [Berlin, Germany: Springer-Verlag 1983] 47429 (introductory abstract), 48934, 49048–53, 49104–14, 49701, 49965, 51705
High resolution electron microscopy; London, England, 12-16 July 1982, [May 1983] 38564–5
High resolution electron microscopy; London, England, 12-16 July 1982, [June 1983] 48922
High-temperature electronics; London, England, 23 March 1983, [London, England: IEE 1983] 32970 (introductory abstract), 33080, 33892, 36009, 36181, 36417, 37174
History of electrical engineering; Brighton, England, 2-4 July 1982, [London, England: IEE 1982] 47443 (introductory abstract), 47634–45
How to make CADCAM NC work for you; Cincinnati, OH, USA, 10-13 April 1983, *(Numerical Control Soc.)* [Glenview, IL, USA: Numerical Control Soc. 1983] 46996
Human factors; Seattle, WA, USA, 25-29 Oct. 1982, *R.E.Edwards, P.Tolin (editor/s),* [Santa Monica, CA, USA: Human Factors Soc. 1982] 32962 (introductory abstract),
Hungarian-Austrian Health Physics; Gyor, Hungary, 28 Sept.-1 Oct. 1981, [1982] 37580 (introductory abstract), 41231–9, 46248
Hybrid microelectronics; Avignon, France, 20-22 May 1981, [1981] 43231, 43234–9, 43243–4, 43248, 43647, 45906–8, 46004, 46309, 46320
Identification and system parameter identification; Washington, DC, USA, 7-11 June 1982, *(IFAC) G.A.Bekey, G.N.Saridis (editor/s),* [Oxford, England: Pergamon 1983] 55924, 61908, 61983, 62041, 62122–4, 62259, 62759, 62815, 64007–13, 64176, 64221, 64326–7, 64350
IEEE Region 5 Conference, 1983; Houston, TX, USA, 20-22 April 1983, [New York, USA: IEEE 1983] 42299 (introductory abstract), 42317–19, 42339, 44831, 45004, 46284, 46304–5, 46484–6, 47374, 47438–9, 47468–9, 47501, 47555–6, 47659, 47668, 50228, 50510–14, 50717, 51308, 51627, 51826, 51989, 52162, 52231–3, 52248–9, 52357, 52408, 52659
Impact of automatic control, present and future; Heidelberg, Germany, 1 Oct. 1982, [May 1983] 50390–1, 52173
Impedance audiometry and pediatric audiology; Goteborg, Sweden, 20-22 May 1982, [1983] 51951
In situ composites; Boston, MA, USA, 16-19 Nov. 1981, *F.D.Lemkey, H.E.Cline, M.McLean (editor/s),* [North-Holland: New York, USA 1982] 33244
Incorporating microprocessor technology into control systems; London, England, 25 March 1983, [London, England: IEE 1983] 41590
INFOCOM 83; San Diego, CA, USA, 18-21 April 1983, *(IEEE)* [New York, USA: IEEE 1983] 37619 (introductory abstract), 39882, 40104–24, 40171–2, 40196, 40328–47, 40385, 40432, 40457, 40460, 40479, 40516, 40707
INFODIAL, databases and databanks; Paris, France, 24-27 May 1983, [Paris, France: INFODIAL 1983] 62248–9, 62320, 62927
Information and system theory; Garmisch-Partenkirchen, Germany, 23-25 March 1983, [1983] 37593 (introductory abstract), 38292–3, 39574–5, 39795–7, 39855–69, 39962–3, 40049–50, 40210, 40355–8, 40454, 40475, 40567
Information control in manufacturing technology; Gaithersburg, MD, USA, 26-28 Oct. 1982, *(IFAC) D.E.Hardt (editor/s),* [Oxford, England: Pergamon 1983] 59127
Infrared sensor technology; Arlington, VA, USA, 4-5 May 1982, [1982] 32944 (introductory abstract), 33037, 34445, 35224, 35781, 35869, 35918–20, 36011–16
Instrumentation for process industries, 1982; College Station, TX, USA, 19-22 Jan. 1982, *(Texas A&M Univ)* [Research Triangle Park, NC, USA: ISA 1982] 58735
Instrumentation in the mining and metallurgy industries; Denver, CO, USA, 5-7 May 1982, *D.J.Spottiswood, D.H.Davis (editor/s),* [Research Triangle Park, NC, USA: ISA 1982] 62748, 63508, 63803, 63872, 64914
Insulation; Odense, Denmark, 1982, [Stockholm, Sweden: ASEA 1982] 32964 (introductory abstract), 34287–90, 34293–4, 34306–7, 34314–18, 36633–4, 39070–3, 41505–6, 41533, 41940
Integrated optics, fiber optics and holography; Varna, Bulgaria, 28 Sept.-3 Oct. 1981, [Sofia, Bulgaria: Bulgarian Acad. Sci. 1982] 47428 (introductory abstract), 43920, 44003–4, 44008, 44291, 44939, 45562, 49768–71, 49782–4, 51261, 51873
Interaction between medium energy nucleons in nuclei; Bloomington, IN, USA, 28-30 Oct. 1982, *(NSF; DOE; Indiana Univ)* [1982] 46241
Intercalated graphite; Boston, MA, USA, 1-3 Nov. 1982, *M.S.Dresselhaus, G.Dresselhaus, J.E.Fischer, M.J.Moran (editor/s),* [New York, USA: North-Holland 1983] 52804–5, 52808
Interfaces and contacts; Boston, MA, USA, 1-4 Nov. 1982, [17 June 1983] 47414 (introductory abstract), 47825–6, 49070–3, 49193, 49228, 49262
Interfacing of measuring instruments; London, England, 23 March 1983, [London, England: IEE 1983] 37613 (introductory abstract), 40788–9, 40968
International Society of Photogrammetry and Remote Sensing, Commission VII International Symposium; Toulouse, France, 13-17 Sept. 1982, [Toulouse, France: Groupement pour le Developpement de la Teledetection Aerospatiale 1982] 36429–34, 41345–7, 46406–7
Ion beam modification of materials; Grenoble, France, 6-10 Sept. 1982, [1-15 May 1983] 42584, 43433–4, 43472–4, 43598
Ion beam modification of materials; Grenoble, France, 6-10 Sept. 1982, [1-15 May 1983] 43306, 43475–82, 48939, 48964, 48988, 49127–8, 49169–80, 49534
ITC/USA 82; San Diego, CA, USA, 28-30 Sept. 1982, *(Int. Found. Telemetering)* [Woodland Hills, CA, USA: Int. Found. Telemetering 1982] 58949 (introductory abstract), 59708, 59897, 60117, 61073, 61868, 61918, 61944–7, 62125–6, 62148–9, 62262–83, 62431–2, 62449, 62639, 62680–91, 62695–704, 62746–7, 62784–6, 63079, 63120, 63123, 63142–3, 63174, 63353–6, 63815–19, 63831–5, 63842–6, 63871, 63899, 63902
Large scale integration; Baden-Baden, Germany, 7-9 March 1983, [1983] 37592 (introductory abstract), 38152–6, 38195–7, 38263–5, 38317, 38775–7, 38912, 38952–61, 39009–10, 39026–34, 39961, 40421, 40579, 42171
Laser 83 opto-electronics; Munchen, Germany, 27 June-1 July 1983, [Munich, Germany: Munchener Messe-und Ausstellungsgesellschaft 1983] 58945 (introductory abstract),
Laser and electron-beam interactions with solids; Boston, MA, USA, 16-19 Nov. 1981, *B.R.Appleton, G.K.Celler (editor/s),* [Amsterdam, Netherlands: North-Holland 1982] 32961 (introductory abstract), 33212–13, 33235–8, 33270, 33929–53, 33991, 34095–9, 34121–9, 34159, 34183–6, 34236, 34915–16
Laser diagnostics and photochemical processing for semiconductor devices; Boston, MA, USA, Nov. 1982, *(Air Force Office Sci. Res) R.M.Osgood, S.R.J.Brueck, H.R.Schlossberg (editor/s),* [New York, USA: North-Holland 1983] 53016 (introductory abstract), 53429, 53454–62, 54569, 54780, 54796–8, 54829–35, 54842–3, 55009, 55298
Laser optics; Leningrad, USSR, 4-8 Jan. 1982, [1982] 42254 (introductory abstract), 44130–1, 44168–72, 44255, 46139–40

Laser-solid interactions and transient thermal processing of materials; Boston, MA, USA, 1-4 Nov. 1982, *(US DOE) J.Narayan, W.L.Brown, R.A.Lemons (editor/s),* [New York, USA: Elsevier 1983] 53034 (introductory abstract), 53405−9, 53430−3, 53437−9, 54421, 54570, 54601−25, 54663−6, 54691, 54782−4, 54799−806, 54836−8, 54939, 55022, 59311−16, 59352, 59361, 60496−501, 60546, 60675, 60696−701, 60947

Lasers and electro-optics, 1982; Phoenix, AZ, USA, 14-16 April 1982, [New York, USA: IEEE 1982] 47420 (introductory abstract),

Liquid crystals; Bangalore, India, 6-10 Dec. 1982, [1983] 56938

Liquid crystals; Bangalore, India, 6-10 Dec. 1982, [1983] 61229, 61497

Lithium batteries; Rome, Italy, 27-29 April 1982, [April-May 1983] 37587 (introductory abstract), 41949, 41952−6, 41963−75

LMFBR safety; Lyon-Ecully, France, 19-23 July 1982, *(European Nucl. Soc.; ANS)* [Paris, France: Societe Francaise d'Energie Nucleaire 1982] 36752−3

Local heat and power generation; Milton Keynes, England, 16 April 1981, *M.A.Dorgham (editor/s),* [St. Helier, Jersey, Channel Islands: Inderscience Enterprises 1983] 42297 (introductory abstract), 46483, 46748−53, 46837−8

Localnet '83 (Europe); London, England, 8-10 March 1983, [Northwood Hills, Middx., USA: Online Publications 1983] 40285 (introductory abstract), 40164−6, 40206, 40286−319

Low temperature physics; Visegrad, Hungary, 8-10 Oct. 1981, [1982] 54559, 54704, 55134−7, 55156−7

Luminescence, Leningrad; Leningrad, USSR, 21-24 April 1981, [1982] 39386

Magnetic films and surfaces; Yokohama, Japan, 13-16 Sept. 1982, [March 1983] 33231, 34331, 34344−6, 34368−9, 34401, 34495

Magnetism, Kyoto; Kyoto, Japan, 6-10 Sept. 1982, [Feb. 1983] 34025, 34350, 34363−7, 34387, 34400

Magnetism, Kyoto; Kyoto, Japan, 6-10 Sept. 1982, [Feb. 1983] 34343

Man-machine interactions, future techniques; London, England, 25 April 1983, [London, England: IEE 1983] 51062

Mass storage systems; Boulder, CO, USA, 26-28 Oct. 1982, *(IEEE) K.Friedman (editor/s),* [New York, USA: IEEE 1982] 39132

Materials sciences under microgravity; Madrid, Spain, 5-8 April 1983, *(ESA; UPM; ELGRA; COSPAR)* [Paris, France: ESA 1983] 53033 (introductory abstract), 55549, 61541

Measurement methods and technology; Berlin, Germany, 24-28 May 1982, *K.Havrilla, J.Solt, T.Kemeny (editor/s),* [Amsterdam, Netherlands: North-Holland 1983] 58939 (introductory abstract), 58991, 59037, 59117−23, 59265, 59495, 60454, 61204−5, 61540, 61559−61, 62036, 62933, 62964−5, 62994−3000, 63010, 63064−73, 63111−15, 63168−70, 63195−7, 63254−80, 63352, 63360−1, 63393, 63396−7, 63410−11, 63422, 63430−2, 63441, 63454−62, 63464−6, 63473, 63486−8, 63500−6, 63698, 63763−5, 63787, 63898, 63909−10, 63918, 64368, 64508, 64773

Medical picture archiving and communication systems; Kansas City, MO, USA, 22-25 May 1983, *(SPIE; IEEE)* [New York, USA: IEEE 1983] 53025 (introductory abstract), 57676−9, 63733−5

Mercuric iodide nuclear radiation detectors; Jerusalem, Israel, 6-8 June 1982, [15 July 1983] 52995 (introductory abstract), 57578−94, 57624−7

Metastable and modulated semiconductor structures; Pasadena, CA, USA, 6-10 Dec. 1982, *(Air Force Office Sci. Res.; Jet Propulsion Lab.; NASA; et al)* [April-June 1983] 47407 (introductory abstract), 47787, 47809−11, 47837, 48945, 49017−28, 49062, 49236, 49822, 49837, 51694

MICONEX '83; Shanghai, China, 12-16 April 1983, *(China Instrument Soc.; ISA; Soc. Instrument & Control Engrs)* [Research Triangle Park, NC, USA: ISA 1983] 58953 (introductory abstract), 63013−14, 63080−1, 63124−5, 63144, 63175−7, 63286−8, 63301−2, 63394, 63491−2, 63509, 63699, 63736, 63903, 64172, 64698

MICRO-DELCON '83; Newark, DE, USA, 8 March 1983, *(IEEE)* [New York, USA: IEEE 1983] 32968 (introductory abstract), 33103, 33182, 33646, 35212−13, 35276, 35416, 36457

Microelectronics and teleinformatics; Milan, Italy, 23-25 Feb. 1983, [Milan, Italy: Federazione delle Associazioni Scientifiche e Tecniche 1983] 37607 (introductory abstract), 38030, 38120, 38976, 40158−63, 40235−6, 40374, 41126, 42808, 42961, 43730−1, 43768, 45060−1, 45322

Microelectronics research; College Station, TX, USA, 25-27 May 1983, *(IEEE; Int. Soc. Hybrid Microelectron) N.R.Strader II (editor/s),* [New York, USA: IEEE 1983] 53031 (introductory abstract), 53066−71, 53104−7, 53114, 53436, 53766, 53894−5, 54093, 54141, 54390, 54402, 54504, 54727, 54781, 54938, 55015−21, 55054−8

Microlithography; Grenoble, France, 5-8 Oct. 1982, *(Ministere de la Recherche et de l'Industrie)* [Grenoble, France: Comite du Colloque International sur la Microlithographie 1982] 37609 (introductory abstract), 38793−7, 38923−4, 38977−85, 39247, 39273, 42973, 43459−70, 43557−60, 43734−6, 46178−9, 46249, 47865, 49146−65, 49217−18, 49483, 51918

Microprocessing and microprogramming 1982; Antwerp, Belgium, 9-10 Dec. 1982, [March-April 1983] 53938 (introductory abstract), 53939−41, 56184, 56346

Microprocessors and microcomputers application in education and industry; Wroclaw, Poland, 9-12 Nov. 1982, [1982] 42265 (introductory abstract), 42924, 44709, 45473, 45773, 45775, 45814, 45987

Microscopy techniques and capabilities; London, England, 21-22 Sept. 1982, *(IOP; IEE)* [1983] 63444, 63919−21

Microwave and MM wave monolithic circuits; Boston, MA, USA, 31 May-1 June 1983, *(IEEE) B.E.Spielman (editor/s),* [New York, USA: IEEE 1983] 53024 (introductory abstract), 54140, 54310−11, 54371−89, 54937

Microwave circuit CAD techniques; London, England, 18 April 1983, [London, England: IEE 1983] 42284 (introductory abstract), 42703, 42709, 43115, 43126, 43144−5, 46094

Microwave tube or solid state device?; London, England, 5 Jan. 1983, [London, England: IEE 1983] 37620 (introductory abstract), 38436−8, 38548, 38551, 40569, 40585, 41275

Midcon 80; Dallas, TX, USA, 4-6 Nov. 1980, [El Segundo, CA, USA: Electron. Conventions 1980] 47418 (introductory abstract), 47479−83, 47864, 48783−7, 49477, 50152−8, 50227, 50237, 50824−6, 50887−90, 51193, 51253−6, 51480−2, 51523, 51559−60, 51758, 51799, 52247, 53051−2, 53110, 53212−13, 53236−8, 53640−4, 53677−9, 53754−5, 53813, 53914−18, 53984−4001, 54127−9, 55131, 55133, 55575, 55923, 56225, 56643, 56763−4, 56809−14, 56940, 57640−2, 57667, 57830−5, 58310, 58562−3

Midcon 81; Chicago, IL, USA, 10-12 Nov. 1981, [El Segundo, CA, USA: Electron. Conventions 1981] 47421 (introductory abstract), 47531−2, 47627−8, 47874, 47929, 48126, 48185−9, 48268−70, 48331−8, 48457, 48790−3, 48803−4, 49479, 50055, 50072, 50159−61, 50361−3, 50658, 50751−4, 50893, 50961, 51002−3, 51020−3, 51952, 52058, 52886

Midcon 82; Dallas, TX, USA, 30 Nov.-2 Dec. 1982, [El Segundo, CA, USA: Electron. Conventions 1982] 53012 (introductory abstract), 53061, 53101, 53154, 53169−71, 53206, 53239−42, 53534, 53647, 53683, 53757, 53845−50, 54049−68, 54135−6, 54370, 54935, 54987, 55046, 55850−3, 55930−1, 56012, 56077−8, 56159, 56249−55, 56292−3, 56315−16, 56328−32, 56520, 56644, 56942−4, 58854−6, 58896, 59067−9, 59891−5, 59973, 61748−51

Mini/Micro Northeast; New York, USA, 19-21 April 1983, [El Segundo, CA, USA: Electron. Conventions 1983] 42979−95

Modeling and simulation on microcomputers; San Diego, CA, USA, 1983, *R.Martinez (editor/s),* [La Jolla, CA, USA: SCS 1983] 48493, 56080

Molecular beam epitaxy; Urbana, IL, USA, 21-22 Oct. 1982, *(Office Naval Res.; American Vacuum Soc.;)* [April-June 1983] 47406 (introductory abstract), 47799−808, 48650, 49016, 49246, 49269, 49292−3, 49821, 49946, 50000

Multiple-valued logic; Kyoto, Japan, 23-25 May 1983, *(IEEE; et al)* [New York, USA: IEEE 1983] 47423 (introductory abstract), 48190−205, 48705, 50329−30

Municipal solid waste as a utility fuel; Miami Beach, FL, USA, 13 May 1982, [Palo Alto, CA, USA: EPRI 1982] 36712 (introductory abstract),

National online meeting 83; New York, USA, 12-14 April 1983, *(Online Review)* [Medford, NJ, USA: Learned Inf. 1983] 56133, 56173, 56257

NATO C^3 requirements and realism; Brussels, Belgium, 27-29 Oct. 1982, [Brussels, Belgium: Armed Forces Comm. Electron. Assoc. 1983] 61684, 62211, 62447−8, 62484−5, 62566, 63313

Neutron radiography; San Diego, CA, USA, 7-10 Dec. 1981, *(ASTM; American Soc. Nondestructive Testing; British Inst. Nondestructive Testing) J.P.Barton, P.Von Der Hardt (editor/s),* [Dordrecht, Netherlands: Reidel 1983] 53476−9, 56765, 63814

Neutron scattering in condensed matter; Hakone, Japan, 1-4 Sept. 1982, [May 1983] 63647−52

New tools for industrial processes; London, England, 14 April 1983, [London, England: IEE 1983] 37617 (introductory abstract), 37703, 37710, 42242

Ninth Australian Computer Conference Schools Symposium; Hobart, Tasmania, Australia, 26-28 Aug. 1982, *R.Welch (editor/s),* [Sandy Bay, Tasmania, Australia: Australian Comput. Soc. 1982] 35415, 35469

Non-invasive on-line measurement in industry; London, England, 13 April 1983, [London, England: IEE 1983] 42282 (introductory abstract), 45595, 45942−3, 46157, 46250, 46420

Nonlinear optical waveguides; London, England, 3 June 1983, [London, England: IEE 1983] 47436 (introductory abstract), 49991−2, 50011−15

Nonresonant interaction of optical radiation with matter; Leningrad, USSR, 1-4 Dec. 1981, [1982] 39448, 39506

Northcon 83; Portland, OR, USA, 10-12 May 1983, [El Segundo, CA, USA: Electron. Conventions 1983] 42296 (introductory abstract), 42334−8, 42813, 42886−8, 42996−3004, 43032−5, 43190−3, 43201−2, 43222−5, 43742, 45073−4, 45281−2, 45314, 45749, 47552, 48445, 48750, 50162−5, 50714

Nuclear power plant control and instrumentation; Munich, Germany, 11-15 Oct. 1982, [Vienna, Austria: IAEA 1983] 64222−3, 64246

Nuclear power systems, 1982; Washington, DC, USA, 20-22 Oct. 1982, *(NBS; NASA; U.S. Dept. Energy)* [Feb. 1983] 36232−4, 36724, 36770−85

Nuclear reactor thermal hydraulics; Santa Barbara, CA, USA, 11-14 Jan. 1983, *(ANS; ASME; AIChE) M.Merilo (editor/s),* [LaGrange Park, IL, USA: ANS 1982] 36874, 41589, 41606

Nucleus-nucleus collisions; East Lansing, MI, USA, 26 Sept.-1 Oct. 1982, *(U.S. Dept. Energy.; NSF; IUPAC; et al)* [1982] 46247

Office automation 83; Philadelphia, PA, USA, 21-23 Feb. 1983, *(AFIPS)* [Arlington, VA, USA: AFIPS Press 1983] 50755−6, 50777−80, 50896−8, 51025−6

Optical computing; Cambridge, MA, USA, 6-8 April 1983, *(IEEE; Int. Comm. Optics; SPIE)* [New York, USA: IEEE 1983] 42274 (introductory abstract), 42684, 43673, 43987, 44015, 44028, 44251, 44289−90, 44452, 44911−29, 45615, 46128

Optical data storage; Incline Village, NV, USA, 17-20 Jan. 1983, *(Opt. Soc. America; American Vacuum Soc.; et al)* [Washington, DC, USA: Opt. Soc. America 1983] 43911 (introductory abstract), 39130−1, 39167−73, 39264−7, 39431−2, 39515−16, 39878, 40730, 40839, 43912−19, 44274, 44297, 45701

Optical fiber communication, 1983; New Orleans, LA, USA, 28 Feb.-2 March 1983, [New York, USA: IEEE 1983] 32958 (introductory abstract),

Optical fibre local networks; London, England, 2 June 1983, [London, England: IEE 1983] 47437 (introductory abstract), 51090, 51262−9, 51445

Optical fibre sensors, 1983; London, England, 26-28 April 1983, [London, England: IEE 1983] 37632 (introductory abstract), 39222−41, 39277, 40880, 41026, 41186, 43990−4002, 44007, 44298−9, 44825, 45601, 45944−5

Optical glass research; Jena, Germany, 1982, [1983] 58927 (introductory abstract), 61112−13, 61385, 64643

Optical phase conjugation and instabilities; Cargese, Corsica, France, 20-24 Sept. 1982, *(CNRS)* [March 1983] 37589 (introductory abstract), 39471−82

Optical techniques for remote probing of the atmosphere; Incline Village, NV, USA, 10-12 Jan. 1983, *(Opt. Soc. America; Air Force Office Sci. Res)* [1983] 63877−82

Optical techniques for remote probing of the atmosphere; Incline Village, NV, USA, 10-12 Jan. 1983, *(Opt. Soc. America; Air Force Office Sci. Res)* [Washington, DC, USA: Opt. Soc. America 1983] 41330 (introductory abstract),

OPTICS 82, ECOSA 82; Edinburgh, Scotland, 7-10 Sept. 1982, *(SPIE)* [1983] 58917 (introductory abstract), 60680, 61128−33, 61210, 61219, 61226−7, 61234−6, 61247, 61252−3, 61332−3, 61373, 61441−4, 61451−2, 61487−90, 61521−5, 61715, 62073−5, 62799, 62906, 62929, 63084−5, 63290, 63445, 63467, 63766

Optics and images in law enforcement II; Arlington, VA, USA, 4-5 May 1982, [1982] 52996 (introductory abstract),

Organic solid state chemistry; Freiburg, Germany, 4-8 Oct. 1982, [1983] 49000, 52825

Organic solid state chemistry; Freiburg, Germany, 4-8 Oct. 1982, [1983] 48923

Particles and fields, 1982; College Park, MD, USA, 28-30 Oct. 1982, [1982] 41066 (introductory abstract), 41067−8

Phoenix conference on computers and communications, '83; Phoenix, AZ, USA, 14-16 March 1983, *(IEEE)* [New York, USA: IEEE 1983] 33414, 33503−5, 33535−8, 34264, 34271, 35470, 35549−50, 38172, 38512, 38996−7, 40102, 40167, 40320−3, 40428−31, 40456

Photovoltaic solar energy; Stresa, Italy, 10-14 May 1982, *W.H.Bloss, G.Grassi (editor/s),* [Dordrecht, Netherlands: Reidel 1982] 32965 (introductory abstract), 33214−15, 33271, 33954−5, 34008−11, 34064−5, 34077, 34100, 34130−3, 34160, 34620, 36929−43, 36990, 37311−89, 37534−5, 37574, 37577, 41729−44, 41909−12, 42096−100

Photovoltaic specialists conference; San Diego, CA, USA, 27-30 Sept. 1982, [New York, USA: IEEE 1982] 42273 (introductory abstract), 37754, 37899–905, 37942, 37966, 37980, 38013, 38790–2, 39312, 41713–28, 41908, 42006–95, 42205, 42230, 42613, 42654–5, 43301–2, 43329–30, 43354–6, 43372, 44071, 46886–911, 47045, 47095, 47139–246, 47402

Physics and chemistry of mercury cadmium telluride; Dallas, TX, USA, 8-10 Feb. 1983, *(Army Res. Office; American Vacuum Soc)* [1983] 60515–17, 60566–8, 60610, 60710, 61259, 61283

Physics and chemistry of polymer conductors; Les Arcs, France, 11-15 Dec. 1982, [June 1983] 61293, 64638–42, 64671

Physics and chemistry of semiconductor interfaces; Santa Fe, NM, USA, 25-27 Jan. 1983, [July-Sept. 1983] 53000 (introductory abstract), 53414–15, 54630, 54710–12, 54729–31, 60569–70, 60590–2, 60611–13, 60711–15

Physics and physical metallurgy of electromechanical steels and alloys; Asha, USSR, 15-17 Sept. 1981, [1982] 37581 (introductory abstract), 37967–8, 39103–15

Physics of non crystalline solids; Montpellier, France, 5-9 July 1982, *(Int. Comm. Glass; Societe Francaise de Physique)* [Dec. 1982] 37588 (introductory abstract), 38658, 39287, 41957

Physics of semiconductors; Montpellier, France, 6-10 Sept. 1982, *(IUPAP; Societe Francaise de Physique; European Phys. Soc)* [March 1983] 37594 (introductory abstract), 38570–4, 38596–7, 38629–34, 38701, 38855, 38913, 38964, 39039, 39489

Physics of semiconductors; Montpellier, France, 6-10 Sept. 1982, *(IUPAP; Societe Francaise de Physique; European Phys. Soc)* [March 1983] 34201, 38598–602, 38635–6, 38660–3, 38702–11, 38722, 38751–2, 38784–5, 38840, 38866–7, 38914–15, 39290

Picture archiving and communication systems; Newport Beach, CA, USA, 18-21 Jan. 1982, *(SPIE; IEEE)* [1982] 36305–8

Plant startup and operations in the '80s; Scottsdale, AZ, USA, 1-3 Aug. 1983, [1983] 58226–36

Plasma physics; Goteborg, Sweden, 9-15 June 1982, [1982] 34968

Plasma physics; Goteborg, Sweden, 9-15 June 1982, [1982] 34657

Polymer alloys; New York, USA, 23-28 Aug. 1981, *(American Chem. Soc) D.Klempner, K.C.Frisch (editor/s),* [New York, USA: Plenum 1983] 59431

Positron annihilation, 1981; China, 1981, [Dec. 1982] 46244, 47020

Power electronics; Albuquerque, NM, USA, 6-9 June 1983, *(IEEE)* [New York, USA: IEEE 1983] 47446 (introductory abstract), 49265, 49283, 49326–8, 49601, 52238, 52660–1, 52746–51, 52794–7, 53554, 53648–50, 53694, 54726, 58564–76

Power engineering; Manchester, England, 30 March-1 April 1982, [Manchester, England: Univ. Manchester Inst. Sci. Technol. 1982] 32963 (introductory abstract), 32980–1, 32992, 34922, 35914, 36402, 36503–12, 36529–31, 36542–6, 36550, 36565–6, 36589–90, 36592, 36609, 36631–2, 36653, 36665–71, 36688–90, 36890, 36912–13, 36955, 36968, 36983–9, 37006–12, 37038–43, 37056–8, 37074–6, 37116–19, 37171–3, 37215–19, 37310, 37421–2, 37512–13, 37539

Power plant dynamics, control and testing; Knoxville, TN, USA, 21-23 March 1983, *(Univ. Tennessee; IEEE; EPRI; et al) B.R.Upadhyaya (editor/s),* [Knoxville, TN, USA: Univ. Knoxville 1983] 41550 (introductory abstract), 41599–605, 41650–6, 41757, 46747, 46826–7

Practical Bayesian statistics; Cambridge, England, 21-24 July 1982, [March-June 1983] 58926 (introductory abstract), 59135–6

Precision electromagnetic measurements, 1982; Boulder, CO, USA, 28 June-1 July 1982, *(NBS; IEEE; URSI)* [1982] 34810–12, 35721, 35888–91, 35952–3, 35963, 36032, 36097–9, 36111, 36118–19, 36148, 36151, 36315, 38033, 38420, 39453, 40745, 40768–71, 40831, 40846, 40894, 40915, 40935–6, 40958–63, 40969–70, 40975–8, 40980, 40993–4, 41002–5, 41010, 41018, 41035–8, 41043, 41543

Processes for phonetic coding and decoding of speech; Toulouse, France, 15-16 July 1983, [July 1983] 55802 (introductory abstract), 55803–19

Processing and display of three-dimensional data; San Diego, CA, USA, 26-27 Aug. 1982, [1982] 47404 (introductory abstract), 50021–2, 50542–3, 51315, 51378, 51575–7, 51935–7

Production and physics of highly charged ions; Stockholm, Sweden, 1-5 June 1982, *(Swedish Royal Acad. Sci.; Swedish Natural Sci. Res. Council; et al)* [1983] 44163, 46164, 46213, 46233

Productivity and data processing; Paris, France, 30 May-3 June 1983, [Paris, France: Printemps Convention 1983] 62314–19, 62416–17, 62451

Programming language issues in software systems; San Francisco, CA, USA, 27-29 June 1983, *(ACM)* [June 1983] 54501, 56221

Properties and applications of metal hydrides; Toba, Japan, 30 May-4 June 1982, [Feb. 1983] 37430–1

Proton-antiproton collider physics; Rome, Italy, 12-14 Jan. 1983, *(Istituto Nazionale di Fisica Nucl.; Univ. Rome) C.Bacci, G.Salvini (editor/s),* [Geneva, Switzerland: CERN 1983] 57188, 57521

Psychological uses of online computers; Minneapolis, MN, USA, 1982, [April 1983] 55965

Pulp and paper industry; New Orleans, LA, USA, 10-13 May 1983, *(IEEE)* [New York, USA: IEEE 1983] 47445 (introductory abstract), 47517, 47559, 51867, 52237, 52303, 52358–9, 52702–6, 52793, 52869, 52977–80

Quantitative surface analysis; Teddington, England, 24-25 Nov. 1981, [Aug. 1983] 60671

Radar calibration; Alpbach, Austria, 6-10 Dec. 1982, *(ESA)* [Paris, France: ESA 1983] 58950 (introductory abstract), 62760, 62787–96, 63011, 63836

Radiation effects in insulators; Arco, Largo di Garda, Italy, 1981, [1982] 34115, 34180, 34319, 37394

Radiation metrology techniques, data bases, standardisation; Gaithersburg, MD, USA, 22-26 March 1982, *(ASTM; EPRI; NBS; IAEA; et al) F.B.K.Kam (editor/s),* [Washington, DC, USA: U.S. Nucl. Regul. Comm. 1982] 36253

Radioactive waste treatment and handling; Richland, WA, USA, 19-22 April 1982, *A.G.Blasewitz, J.M.Davis, M.R.Smith (editor/s),* [Richland, WA, USA: Battelle Press 1983] 64245

Radionuclide metrology; Geel, Belgium, 16-17 May 1983, [1983] 63595–7, 63626, 63661

Railroad conference; Baltimore, MD, USA, 26-28 April 1983, [New York, USA: IEEE 1983] 47430 (introductory abstract), 52887–95

Rapidly solidified amorphous and crystalline alloys; Boston, MA, USA, Nov. 1981, *B.H.Kear, B.C.Giessen, M.Cohen (editor/s),* [New York, USA: North-Holland 1982] 37969

Rare earth research; Tallahassee, FL, USA, 18-21 April 1983, [1983] 61035–6, 61445, 64706

Recent developments in high frequency electromagnetic field analysis in finite element methods; London, England, 16 May 1983, [London, England: IEE 1983] 42291 (introductory abstract), 44346–8, 44433–5

Reduced gravity materials processing; Boston, MA, USA, Nov. 1981, *G.E.Rindone (editor/s),* [New York: North-Holland 1982] 42577–83, 43331–2, 44333, 46145

Relays, 1983; Stillwater, OK, USA, 26-27 April 1983, *(Oklahoma State Univ., Nat. Assoc. Relay Manuf)* [Elkhart, IN, USA: Nat. Assoc. Relay Manuf. 1983] 53026 (introductory abstract), 53193–4, 53233, 54442–52, 55127, 56769–70, 58131

Reliability of automotive electronic systems and components; London, England, 11 Jan. 1983, [London, England: IEE 1983] 42286 (introductory abstract), 47308, 47328–32

Resource conservation for the electrical engineer; London, England, 19 April 1983, [London, England: IEE 1983] 37618 (introductory abstract), 37658, 37682, 41558–9, 42215

Robotics and industrial inspection; San Diego, CA, USA, 24-27 Aug. 1982, [1982] 58914 (introductory abstract), 59098, 60871–2, 61545–6, 62054–72, 62928, 63022

Rural electric power; Des Moines, IA, USA, 24-26 April 1983, *(IEEE)* [New York, USA: IEEE 1983] 37631 (introductory abstract), 40450, 41426–8, 41436–9, 41476–9, 41492, 41518, 41941, 41947

S-parameter measurement at micro-wavelengths; London, England, 23 May 1983, [London, England: IEE 1983] 42295 (introductory abstract), 45824, 45874–6, 45998, 46072, 46082, 46096–105

Satellite systems for mobile communications and navigation; London, England, 7-9 June 1983, [London, England: IEE 1983] 42287 (introductory abstract), 44463–4, 44483, 44492–7, 44530, 44555, 45066, 45109, 45296, 45448, 45482–504, 45616–18, 46332–3

Saw devices; London, England, 23 Feb. 1983, [London, England: IEE 1983] 37621 (introductory abstract), 39090–102

Scattering in optical materials; San Diego, CA, USA, 25-27 Aug. 1982, [1982] 47403 (introductory abstract), 49707–8, 49802, 49978–9, 50041, 51827

Science underground; Los Alamos, CA, USA, 1982, [1982] 41091 (introductory abstract), 41092–9

Scientific ballooning-III; Ottawa, Canada, 16 May-2 June 1982, *(COSPAR)* [1983] 57839 (introductory abstract),

Semiconducting compounds; Jaszowiec, Poland, 26 April-3 May 1981, *J.M.Langer (editor/s),* [Warsaw, Poland: Polish Acad. Sci. 1982] 42622, 43377, 43428, 44045–6, 48979–82, 49006–12, 49054, 49086, 49115–16, 49263, 49817, 49966

Semiconductor International '82; England, 1982, [Luton, Beds., England: Benn Electronics Publications 1982] 37610 (introductory abstract), 37717–19, 37728, 37906, 38135, 38168–71, 38232–4, 38435, 38523, 38527–9, 38798, 38845–6, 38925–6, 38986–94, 39048–53, 40664–5, 40786–7

Semiconductor lasers; Ottawa, Ont., Canada, 13-15 Sept. 1982, [June 1983] 53006 (introductory abstract), 55187, 55281–2, 55328–30, 55364, 55399–428, 55469–73, 55500

Semiconductors 1982; Espoo, Finland, 14-18 June 1982, [1983] 58913 (introductory abstract), 60466, 60541–2, 60608

Signal recovery and synthesis; Incline Village, NV, USA, 12-14 Jan. 1983, *(Opt. Soc. America; Air Force Office Sci. Res)* [Washington, DC, USA: Opt. Soc. America 1983] 32957 (introductory abstract), 33170, 35061, 35075, 35192–211, 35246–75, 35712, 35725

Simulation 1983; Tampa, FL, USA, 16-18 March 1983, [New York, USA: IEEE 1983] 35293, 35373

Sintering, theory and practice; Portoroz, Yugoslavia, 7-10 Sept. 1981, *D.Kolar, S.Pejovnik, M.M.Ristic (editor/s),* [Amsterdam, Netherlands: Elsevier 1982] 33275–6, 33280–3, 33285, 37981

Sixteenth Hawaii International Conference on System Sciences; Honolulu, HI, USA, 5-7 Jan. 1983, *(Univ. Hawaii; Univ. Southwestern Louisiana) H.K.Berg, W.E.Howden, R.R.Panko, R.H.Spraque Jr., B.Shriver, T.M.Walker, T.R.Cousins (editor/s),* [HI, USA: Hawaii Int. Conference Syst. Sci. 1983] 53018 (introductory abstract), 53113, 54090, 56041–2, 56134, 56264–70, 56296, 57708

Small computers in the arts, 1982; Philadelphia, PA, USA, 15-17 Oct. 1982, *(IEEE)* [New York, USA: IEEE 1982] 40734 (introductory abstract), 40735

Software engineering for telecommunication switching systems; Lund, Sweden, 4-8 July 1983, [London, England: IEE 1983] 44989 (introductory abstract), 44990–5002, 45356–7, 50638–49, 51053–61

Software for avionics; The Hague-Kijkduin, Netherlands, 6-10 Sept. 1982, [Neuilly-sur-Seine, France: AGARD 1983] 52012–13, 52059

Software for computer control; Madrid, Spain, 5-8 Oct. 1982, *(IFAC; IFIP) G.Ferrate, E.A.Puente (editor/s),* [Oxford, England: Pergamon 1983] 55459, 56381, 57968–9, 58347, 58489, 59209, 59266, 62460, 64572

Solar and wind power; Providence, RI, USA, 25-27 Aug. 1982, *(EPRI)* [Palo Alto, CA, USA: EPRI 1983] 52407 (introductory abstract),

Solar-terrestrial physics; Ottawa, Canada, 17-22 May 1982, *(COSPAR; IAU; IUGG; et al)* [March 1983] 35568, 36415

Solid-state circuits; New York, USA, 23-25 Feb. 1983, *L.Winner (editor/s),* [New York, USA: IEEE 1983] 37608 (introductory abstract), 37662, 38058, 38078–83, 38121, 38160–7, 38202–31, 38272–6, 38297–302, 38320–3, 38342–3, 38392–3, 38432–4, 38922, 39012, 39041–7, 39918–19, 40074, 40284, 40375, 40393–7, 40424–5, 40698, 40806–10, 40820, 41053

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Sound broadcasting; Mannheim, Germany, 23-25 Nov. 1982, [1983] 42264 (introductory abstract), 37677, 38111, 39627, 39735, 39902, 40474, 40555, 40614–15, 40620–37, 40657–60, 40721–5, 40966

Southcon '81; Atlanta, GA, USA, 13-15 Jan. 1981, [El Segundo, CA, USA: Electron. Conventions 1981] 58940 (introductory abstract), 59065–6, 59091–2, 59124, 59590, 59635–6, 59645, 59702, 59783–4, 59882–4, 59932–46, 60020–1, 60059–61, 60143, 60216–17, 60285–6, 60300, 60673–4, 60862, 60915–17, 60982–3, 61206–7, 61740–2, 62037, 62401, 62673–8, 62741–2, 62779–80, 62966, 63074, 63116, 63140–1, 64002–6, 64023, 64348–9, 64361, 64697, 64758–60, 64774–5

Southcon '82; Orlando, FL, USA, 23-25 March 1982, [El Segundo, CA, USA: Electron. Conventions 1982] 53011 (introductory abstract), 53059–60, 53111–12, 53168, 53646, 53829–44, 53929, 54038–48, 54133–4, 54249, 54369, 55045, 55846–9, 55925–9, 56009–11, 56076, 56240–8, 56343, 56517–19, 56551–5, 58632–5

Southcon '83; Atlanta, GA, USA, 18-20 Jan. 1983, [El Segundo, CA, USA: Electron. Conventions 1983] 42275 (introductory abstract), 42276, 42809, 42871−4, 42962−72, 43732−3, 43769−72, 44481, 44500, 44663, 44930, 45155, 45230−2, 45311−13, 45419, 45431, 45445−7, 45583, 45834−7, 46640−2, 46687−90, 46828, 48339−47, 48645, 48659, 49396, 50380, 50471, 51195−6, 51358, 51483

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Speech synthesis and devices; London, England, 12 April 1983, [London, England: IEE 1983] 42283 (introductory abstract), 44667−74, 45065

Structure of non-crystalline materials; Cambridge, England, 12-15 July 1982, *(Soc. Glass Technol) P.H.Gaskell, J.M.Parker, E.A.Davis (editor/s),* [London, England: Taylor & Francis 1983] 42279 (introductory abstract),

Superconducting generators; London, England, 7 Jan. 1983, [London, England: IEE 1983] 46946 (introductory abstract), 46947, 46963−4

Support-structure corrosion in steam generators; Boston, MA, USA, 18-19 May 1982, *C.E.Shoemaker, D.A.Jones (editor/s),* [Palo Alto, CA, USA: EPRI 1983] 32966 (introductory abstract),

Surface science; Gent, Belgium, 24-27 Aug. 1982, [March 1983] 38726, 38842

Synchrotron radiation users group conference, 1982; Stoughton, WI, USA, 18-19 Oct. 1982, [Stoughton, WI, USA: Synchrotron Radiat. Center 1982] 38729

System modelling and optimisation; New York, USA, 31 Aug.-4 Sept. 1981, *R.F.Drenick, F.Kozin (editor/s),* [Berlin, Germany: Springer-Verlag 1982] 36501−2, 36528, 37005

System simulation and scientific computation; Montreal, Canada, 8-13 Aug. 1982, *(IMACS; Int. Assoc. Math. Modelling; Int. Soc. Comput. Methods Eng.; et al)* [New Brunswick, NJ, USA: IMACS 1982] 33106, 33167−9, 33172−3, 33181, 33192, 33195−6, 33355, 33645, 34431, 34925, 35191, 35291−2, 35338, 35468, 36393, 36500, 36524−7, 36608, 36699, 36746−51, 36811−25, 36928, 36954, 36967, 37003−4, 37035−7, 37168, 37214, 37402, 37511, 41411−13

System theory; Huntsville, AL, USA, 28-29 March 1983, [New York, USA: IEEE 1983] 37630 (introductory abstract), 37765, 37884, 38024−5, 38346−7, 39164, 39780, 39928−9, 40083−4, 40351, 40574−6, 40600, 40813, 41227, 42308, 43091, 44453, 44934−8, 45240, 46303, 46402, 46481−2, 46526, 46982

Textile industry; Greenville, SC, USA, 4-5 May 1983, *(IEEE)* [New York, USA: IEEE 1983] 42298 (introductory abstract), 45283, 46621, 46983, 47017, 47389−93

Theoretical computer science; Dortmund, Germany, 5-7 Jan. 1983, *(Gesellschaft fur Informatik) A.B.Cremers, H.P.Kriegel (editor/s),* [Berlin, Germany: Springer-Verlag 1982] 37800−3

Thermal infrared sensing diagnostics; Detroit, MI, USA, 25-27 Oct. 1982, [1982] 42257 (introductory abstract),

Thermionic valves; Garmisch-Partenkirchen, Germany, 18-20 May 1983, [1983] 58923 (introductory abstract), 60359, 60385−93, 60396, 60398−408, 60426−35, 60445−9, 60464, 60848, 61020, 63381, 63663−8, 63725

Time-of-flight tomography; St. Louis, MO, USA, 17-19 May 1982, *(IEEE; Nat. Inst. Health; Biotechnology Resource Program; et al)* [New York, USA: IEEE 1982] 47447 (introductory abstract), 51907, 51956−63, 57671−5

Tools, methods and languages for scientific and engineering computing; Paris, France, 17-19 May 1983, [Le Chesnay, France: Inst. Nat. Recherche Inf. Autom. 1983] 53390, 53394

Total solar eclipse (1980 February 16); New Delhi, India, Jan. 1981, [Oct. 1982] 34969−77

Transform techniques in image processing; London, England, 18 May 1983, [London, England: IEE 1983] 50331−3

Two-dimensional films, characterization and atomic structure; France, Oct. 1982, [March-April 1983] 49216

Ultrasonics, 1982; San Diego, CA, USA, 27-29 Oct. 1982, *(IEEE; Andersen Lab. Inc.; Crystal Technol. Inc.; Panametrics, Inc.; et al) B.R.McAvoy (editor/s),* [New York, USA: IEEE 1982] 33334−44, 35714, 36435, 36442−4, 36456

UNISAT - Britain's first TV and business satellite; London, England, 17 May 1983, [London, England: IEE 1983] 42292 (introductory abstract), 44484, 45505−11

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Very large scale integration; Pasadena, CA, USA, 21-23 March 1983, *R.Bryant (editor/s),* [Rockville, MD, USA: Computer Science Press 1983] 47427 (introductory abstract), 48208−10, 48271, 48348−52, 49397−403, 49484−90

Videoconferencing; London, England, 10 May 1983, [London, England: IEE 1983] 42290 (introductory abstract), 45712−18

Videotex; Frankfurt, Germany, 4-5 March 1982, [Frankfurt, Germany: Diebold Deutschland GmbH 1983] 56160 (introductory abstract), 56161−72, 62298−313

VLSI architecture; Bristol, England, 19-30 July 1982, *(UK Sci. Eng. Res. Council) B.Randell, P.C.Treleaven (editor/s),* [Englewood Cliffs, NJ, USA: Prentice-Hall 1983] 58948 (introductory abstract), 59836−7, 59896, 59976−98, 61984, 62044

VLSI education; London, England, 6 May 1983, [London, England: IEE 1983] 42289 (introductory abstract), 42309−16, 43774

Wave propagation and remote sensing; Louvain-la-Neuve, Belgium, 9-15 June 1983, *(ESA; CEC)* [Paris, France: ESA 1983] 58951 (introductory abstract), 61633−46, 61685−714, 61869, 62640, 62692−3, 62749, 62761, 62797−8, 63285, 63403, 63412, 63435−6, 63489, 63837−8, 63873−5, 63900

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Western educational computing 81; San Francisco, CA, USA, 19-20 Nov. 1981, *(California Educ. Comput. Consortium)* [CA, USA: California Educ. Comput. Consortium 1981] 50783

Western educational computing 82; San Diego, CA, USA, 18-19 Nov. 1982, *(California Educ. Comput. Consortium)* [CA, USA: California Educ. Comput. Consortium 1982] 53307

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Comm. European Communities, Luxembourg
Amelioration des performances de la pile solaire au silicium de grand diametre (Amelioration of the performance of a large diameter silicon solar pile), EUR 8145 FR. 42002
Amorphous silicon solar cells, EUR 8303 EN. 52839
Basic properties of grain-oriented electro-technical steels. Vol. II: Flux distribution and waveforms, EUR 6647/II EN. 34391
Basic properties of grain-oriented electro-technical steels. Vol. III: Stress and temperature, EUR 6647/III EN. 34361
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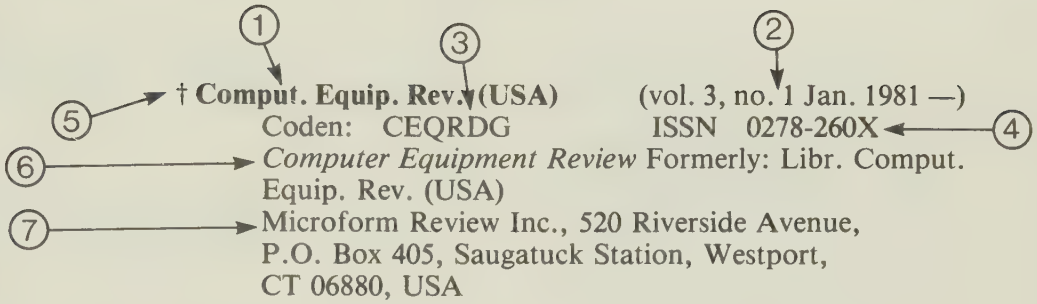

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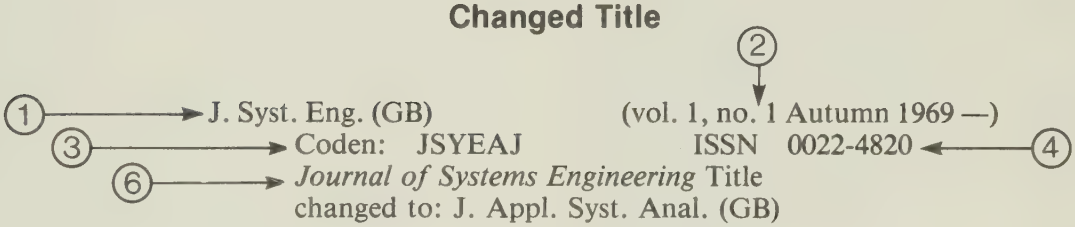

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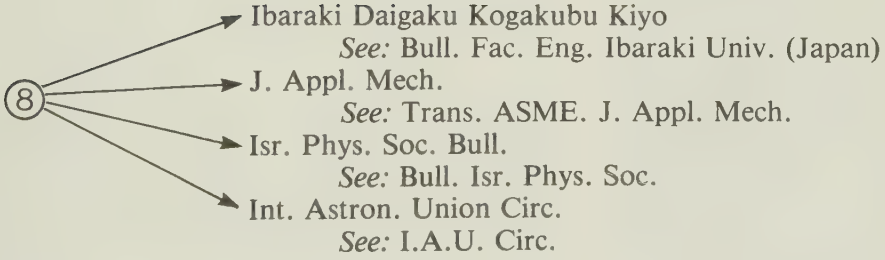
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73. Amateur Radio's Technical Journal 73 Inc., 80 Pine Street, Peterborough, NH 03458, USA

AAS Photo-Bull. (USA) (no.26 1981—)
Coden: ASYBBE ISSN 0065-7433
AAS Photo-Bulletin American Astronomical Society, c/o A.G. Smith, Managing Editor, 211 Space Sciences Building, University of Florida, Gainesville, FL 32611, USA

AAVSO Bull.
See: Bull. Am. Assoc. Variable Star Obs. (USA)

AAVSO Circ. (USA) (no.127 May 1981—)
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AAVSO Circular 187 Concord Avenue, Cambridge, MA 02138, USA

AAVSO Rep. (USA) (no.38 1983—)
Coden: AARPDX ISSN 0097-5265
AAVSO Report American Association of Variable Star Observers, 187 Concord Avenue, Cambridge, MA 02138, USA

ABA Banking J. (USA) (vol.74, no.4 April 1982—)
Coden: ABAJD5 ISSN 0194-5947
ABA Banking Journal American Bankers Association, 345 Hudson Street, New York, NY 10014, USA

ABU Tech. Rev. (Japan) (no.1 March 1969—)
Coden: ABUTAU ISSN 0126-6209
ABU Technical Review Asian Broadcasting Union, Broadcasting Centre, 2-2-1 Jinnan, Shibuya-ku, Tokyo 150, Japan

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Acad. Pol. Sci. Bull. Ser. Sci. Phys. & Astron.
See: Bull. Acad. Pol. Sci. Ser. Sci. Phys. & Astron. (Poland)

Acad. Pol. Sci. Bull. Ser. Sci. Tech.
See: Bull. Acad. Pol. Sci. Ser. Sci. Tech. (Poland)

Acad. Rep. Fac. Eng. Tokyo Inst. Polytech. (Japan) (1983—)
Coden: TOKIDC ISSN 0387-6055
Academic Reports, Faculty of Engineering, Tokyo Institute of Polytechnics 1583 Iiyama, Atsugi-shi, Kanagawa 243-02, Japan

Acad. Sci. USSR Bull. Phys. Ser.
See: Bull. Acad. Sci. USSR, Phys. Ser. (USA)

Acad. Serbe Sci. & Arts, Glas, Cl. Sci. Tech. (Yugoslavia) (vol.316, no.15 1979—)
Coden: GSANDW ISSN 0081-3974
Academie Serbe des Sciences et des Arts, Glas, Classe des Sciences Techniques 11000 Beograd, Knez Mihailova 35, Yugoslavia

Acad. Sin. Astron. Circ.
See: Astron. Circ. (Acad. Sin.) (China)

Acad. Sin. Inst. Phys. Annu. Rep.
See: Annu. Rep. Inst. Phys. Acad. Sin. (Taiwan)

Account. Mag. (GB) (vol.87, no.927 Sept. 1983—)
ISSN 0001-4761
Accountant's Magazine Published for the Institute of Chartered Accountants of Scotland by The Accountant's Publishing Co. Ltd., 27 Queen Street, Edinburgh EH2 1LA, Scotland

Accountancy (GB) (vol.94, no.1079 July 1983—)
Coden: ACTYAD ISSN 0001-4664
Accountancy Institute of Chartered Accountants in England and Wales, P.O. Box 433, Chartered Accountants Hall, Moorgate Place, London EC2P 2BJ, England

Accountant (GB) (vol.189, no.5652 4 Aug. 1983—)
Coden: ACNTA2 ISSN 0001-4710
Accountant Gee & Co (Publishers), 151 Strand, London WC2R 1JJ, England

ACEC Rev. (Belgium) (1968—)
Coden: ACECA8 ISSN 0001-0669
ACEC Review Ateliers de Constructions Electriques de Charleroi, B.P. 4, B-6000 Charleroi, Belgium

Achats & Entretien Mater. Ind. (France) (vol.21, no.228 Jan. 1972—)
Coden: AEMTBC
Achats et Entretien du Materiel Industriel Title changed to: Equip. Ind. Achats & Entretien (France)

ACM SIGDOC Asterisk (USA) (vol.7, no.5 Nov. 1981—)
Coden: ASIADZ
ACM SIGDOC Asterisk Association for Computing Machinery, 1133 Avenue of the Americas, New York, NY 10036, USA

ACM Trans. Comput. Syst. (USA) (vol.1, no.2 May 1983—)
Coden: ACSYEC ISSN 0734-2071
ACM Transactions on Computer Systems Association for Computing Machinery, 11 West 42nd Street, New York, NY 10036, USA

†ACM Trans. Database Syst. (USA) (vol.1, no.1 March 1976—)
Coden: ATDSD3 ISSN 0362-5915
ACM Transactions on Database Systems Association for Computing Machinery, 11 West 42nd Street, New York, NY 10036, USA

ACM Trans. Graphics (USA) (vol.1, no.4 Oct. 1982—)
Coden: ATGRDF ISSN 0730-0301
ACM Transactions on Graphics Association for Computing Machinery, P.O.Box 12115, Church Street Station, New York, NY 10249, USA

†ACM Trans. Math. Software (USA) (vol.1, no.1 March 1975—)
Coden: ACMSCU ISSN 0098-3500
ACM Transactions on Mathematical Software Association for Computing Machinery, 11 West 42nd Street, New York, NY 10036, USA

ACM Trans. Off. Inf. Syst. (USA) (vol.1, no.1 Jan. 1983—)
Coden: ATOSDO ISSN 0734-2047
ACM Transactions on Office Information Systems Association for Computing Machinery, 11 West 42nd Street, New York, NY 10036, USA

†ACM Trans. Program. Lang. & Syst. (USA) (vol.1, no.1 1979—)
Coden: ATPSDT ISSN 0164-0925
ACM Transactions on Programming Languages and Systems Association for Computing Machinery, 11 West 42nd Street, New York, NY 10036, USA

Acoust. & Noise Control Can. (Canada) (vol.9, no.4 Oct. 1981—)
Coden: ANCCDA ISSN 0229-2238
Acoustics and Noise Control in Canada (l'Acoustique et la Lutte Antibruit au Canada) Title changed to: Can. Acoust./Acoust. Can. (Canada)

Acoust. Lett. (GB) (vol.3, no.1 July 1979—)
Coden: ACLEDI ISSN 0140-1599
Acoustics Letters 14 Broadway, London SW1H 0BH, England

Acoust. Soc. Am. J.
See: J. Acoust. Soc. Am. (USA)

Acoust. Soc. Jpn. J.
See: J. Acoust. Soc. Jpn. (Japan)

Acoust. Soc. Jpn. J. (E)
See: J. Acoust. Soc. Jpn. (E) (Japan)

Acta Acust. (China) (no.1 Jan. 1981—)
Coden: SHGHAS ISSN 0371-0025
Acta Acustica Science Press, Beijing, People's Republic of China. Subscription address: Guozi Shudian, P.O.Box 399, Beijing

†Acta Astron. (Poland) (vol.19, no.2 1969—)
Coden: AASWAM ISSN 0001-5237
Acta Astronomica ARS Polona-Ruch, Krakowskie Przedmiescie 7, 00-068 Warszawa, P.O. Box 1001, Poland

Acta Astron. Sin. (China) (vol.15, no.1 1974—)
Coden: TIWHAO ISSN 0001-5245
Acta Astronomica Sinica Chinese Astronomical Society, Nanking, People's Republic [English translation in: *Chin. Astron. (GB)*]

Acta Astronaut. (GB) (vol.1, no.1-2 Jan.-Feb. 1974—)
Coden: AASTCF ISSN 0094-5765
Acta Astronautica Formerly: Astronaut. Acta (GB)
Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Acta Autom. Sin. (China) (vol.7, no.1 Jan. 1981—)
Coden: ZIXUDZ ISSN 0254-4156
Acta Automatica Sinica Subscription address: Guozi Shudian, P.O.Box 399, Beijing, People's Republic of China

Acta Cienc. Indica (vol.1, no.1 1974—)
Coden: ACIDBW ISSN 0379-5411
Acta Ciencia Indica Pragati Prakashan, Begum Bridge, Post Box No. 62, Meerut-250001, India

Acta Crystallogr. Sect. A (Denmark) (vol.39A, pt.2 1 March 1983—)
Coden: ACACEQ ISSN 0108-7673
Acta Crystallographica, Section A (Foundations of Crystallography) Formerly: Acta Crystallogr. Sect. A (Denmark)
Published for the International Union of Crystallography by Munksgaard International Booksellers and Publishers Ltd., 35 Norre Sogade, DK 1370 Kobenhavn K, Denmark

Acta Crystallogr. Sect. A (Denmark) (1968—)
Coden: ACACBN ISSN 0567-7394
Acta Crystallographica Section A: Crystal Physics, Diffraction, Theoretical and General Crystallography Title changed to: Acta Crystallogr. Sect. A (Denmark)

Acta Crystallogr. Sect. B (Denmark) (vol.39B, pt.2 1 April 1983—)
Coden: ASBSDK ISSN 0567-7408
Acta Crystallographica, Section B (Structural Science) Published for the International Union of Crystallography by Munksgaard International Booksellers and Publishers Ltd., 35 Norre Sogade, DK-1370 Kobenhavn K, Denmark. Supersedes in part: Acta Crystallographica Section B: Structural Crystallography and Crystal Chemistry

Acta Crystallogr. Sect. B (Denmark) (1968—)
Coden: ACBCAR ISSN 0567-7408
Acta Crystallographica Section B: Structural Crystallography and Crystal Chemistry Journal split into two parts: Acta Crystallogr. Sect. B (Denmark) and Acta Crystallogr. Sect. C (Denmark)

Acta Crystallogr. Sect. C (Denmark) (vol.C39, pt.1 15 Jan. 1983—)
Coden: ACSCEE ISSN 0108-2701
Acta Crystallographica, Section C (Crystal Structure Communications) Published for the International Union of Crystallography by Munksgaard International Booksellers and Publishers Ltd., 35 Norre Sogade, DK-1370 Kobenhavn K, Denmark. Supersedes in part: Acta Crystallographica Section B: Structural Crystallography and Crystal Chemistry

†**Acta Electron. (France)** (1968—)
Coden: ACELAZ ISSN 0001-558X
Acta Electronica 3 Avenue Descartes, BP 15, 94 450 Limeil-Brevannes, (Val-de-Marne), France

Acta Fac. Rerum Nat. Univ. Comenianae Phys. (Czechoslovakia) (vol.18 1977—)
Coden: AFRNAP ISSN 0524-2355
Acta Facultatis Rerum Naturalium Universitatis Comenianae, Physica Ustredna kniznica PFUK, 886 11 Bratislava, Ul. 29 Augusta c.5, Czechoslovakia

Acta Geod. Geophys. & Montan. (Hungary) (vol.14, no.1-2 1979—)
Coden: AGGMB9 ISSN 0374-1842
Acta Geodaetica, Geophysica et Montanistica Akademiai Kiado, 1054 Budapest, Alkotmany utca 21, Hungary

Acta Geophys. Pol. (Poland) (vol.17, no.2 1969—)
Coden: AGPOAP ISSN 0001-5725
Acta Geophysica Polonica ARS Polona-Ruch, 00-068 Warszawa, Krakowskie Przedmiescie 7, P.O. Box 1001, Poland

Acta Geophys. Sin. (China) (vol.16 1973—)
Coden: TCWHAG ISSN 0001-5733
Acta Geophysica Sinica Institute of Geophysics, Academia Sinica, P.O. Box 928, Beijing, People's Republic of China [English translation in: *Acta Geophys. Sin. (USA)*]

Acta Geophys. Sin. (USA) (vol.16, no.1 Jan.-Dec. 1973—)
Coden: TCWHAG ISSN 0001-5733
Acta Geophysica Sinica [Translation of: *Acta Geophys. Sin. (China)*] Plenum/China Program, 227 West 17th Street, New York, NY 10011, USA

†**Acta Inf. (Germany)** (vol.1, no.1 1971—)
Coden: AINFA2 ISSN 0001-5903
Acta Informatica Springer-Verlag, D-1000 Berlin 33, Heidelberger Platz 3, Germany

Acta Manilana Ser. A (Philippines) (no.4(9) Dec. 1969—)
Coden: AMNIB6 ISSN 0065-1370
Acta Manilana. Series A University of Santo Tomas Research Centre, Manila D-403, Philippines

Acta Math. Appl. Sin. (China) (vol.1, no.1 1978—)
Coden: YYSPDS ISSN 0254-3079
Acta Mathematicae Applagatae Sinica Science Press, Peking, People's Republic of China. Subscription address: Guozi Shudian, P.O. Box 399, Peking

Acta Mech. (Austria) (1968—)
Coden: AMHCAP ISSN 0001-5970
Acta Mechanica Springer-Verlag, Molkerbastei 5, Postfach 367, A-1011 Wien, Austria

Acta Mech. Sin. (China) (no.1 1978—)
Coden: LHHPAE ISSN 0254-3060
Acta Mechanica Sinica Science Press, Peking, People's Republic of China. Subscription address: Guozi Shudian, P.O. Box 399, Peking

Acta Mech. Solida Sin. (China) (no.1 1980—)
Coden: KTLPD8 ISSN 0254-7805
Acta Mechanica Solida Sinica Subscription address: Guozi Shudian, P.O.Box 399, Beijing, People's Republic of China

Acta Medicotech. (Germany) (vol.28, no.6 Dec. 1980—)
Coden: AAMED9 ISSN 0172-6099
Acta Medicotechnica Fischer & Pflaum Verlag GmbH, Lazarettstrasse 4, 8000 Munchen 19, Germany

†**Acta Metall. (USA)** (1968—)
Coden: AMETAR ISSN 0001-6160
Acta Metallurgica Box 1088 Schenectady, NY. Publisher: Pergamon Press, Maxwell House, Fairview Park, Elmsford, NY 10523, USA

Acta Metall. Sin. (China) (vol.10, no.1 1974—)
Coden: CHSPA4 ISSN 0412-1961
Acta Metallurgica Sinica Chinese Metallurgical Society, Peking, People's Republic of China

Acta Meteorol. Sin. (China) (vol.39, no.1 Feb. 1981—)
Coden: CHIHAW ISSN 0577-6619
Acta Meteorologica Sinica Subscription address: Guozi Shudian, P.O.Box 399, Beijing, People's Republic of China

Acta Mex. Cienc. & Tecnol. (Mexico) (vol.2, no.1 Jan.-April 1968—)
Coden: AMXCB4 ISSN 0567-7785
Acta Mexicana de Ciencia y Tecnologia Consejo Editorial Del Instituto Politecno Nacional. Prolongacion De Diaz Miron Y Plan De San Luis, Apartado Postal 42-161, Mexico 17, DF, Mexico

Acta Phys. Acad. Sci. Hung. (Hungary) (1968—)
Coden: APAHAQ ISSN 0001-6705
Acta Physica Academiae Scientiarum Hungaricae Title changed to: Acta Phys. Hung. (Hungary)

†**Acta Phys. Austriaca** (1968—)
Coden: APASAP ISSN 0001-6713
Acta Physica Austriaca Springer-Verlag, Molkerbastei 5, Postfach 367, A-1011 Wien, Austria

†**Acta Phys. Austriaca Suppl.** (no.23 1981—)
Coden: APAUAV ISSN 0065-1559
Acta Physica Austriaca Supplementum Issued with: *Acta Phys. Austriaca*

†**Acta Phys. Hung. (Hungary)** (vol.54, no.1-2 1983—)
Coden: APAHAQ ISSN 0001-6705
Acta Physica Hungarica Formerly: Acta Phys. Acad. Sci. Hung. (Hungary)
Akademiai Kiado, Publishing House of the Hungarian Academy of Sciences, H-1054 Budapest, Alkotmany U. 21, Hungary

Acta Phys. Pol. (Poland) (1968—)
Coden: APPOAK
Acta Physica Polonica Journal split into: Acta Phys. Pol. A (Poland) and Acta Phys. Pol. B. (Poland)

†**Acta Phys. Pol. A (Poland)** (vol.A37, no.1 Jan. 1970—)
Coden: ATPLB6 ISSN 0587-4246
Acta Physica Polonica A Polska Akademia Nauk, Editorial address, Reymonta 4, 30-059 Krakow, Poland. Supersedes in part: Acta Phys. Pol. (Poland)

†**Acta Phys. Pol. B (Poland)** (1968—)
Coden: APOBBB ISSN 0587-4254
Acta Physica Polonica B Polska Akademia Nauk, Editorial address, Reymonta 4, 30-059 Krakow, Poland. Supersedes in part: Acta Phys. Pol. (Poland)

†**Acta Phys. Sin. (China)** (vol.23, no.1 Jan. 1974—)
Coden: WLHPAR ISSN 0372-736X
Acta Physica Sinica Chinese Academy of Sciences, Institute of Physics, Peking, Peoples Republic of China [English translation in: *Chin. J. Phys. (USA)*]

Acta Phys. Slovaca (Czechoslovakia) (vol.23, no.1 1973—)
Coden: APSVCO ISSN 0323-0465
Acta Physica Slovaca Formerly: Fyz. Cas. (Czechoslovakia)
VEDA Publishing House of the Slovak Academy of Sciences, 89530 Bratislava, Klemensova 19, Czechoslovakia

Acta Phys. Temp. Humilis Sin. (China) (vol.3, no.1 March 1981—)
Coden: TWWLDZ ISSN 0253-3634
Acta Physica Temperaturae Humilis Sinica Subscription address: Guozi Shudian, P.O.Box 399, Beijing, People's Republic of China

Acta Physiol. Pol. (Poland) (vol.24, no.1 Jan.-Feb. 1973—)
Coden: APYPAY ISSN 0044-6033
Acta Physiologica Polonica Panstwowy Zaklad Wydawnictw Lekarskich, 00-730 Warszawa, Jazgarzewska 17, Poland

Acta Politec. Mex. (Mexico) (vol.11, no.53 July-Sept. 1970—)
Coden: APTMAY ISSN 0515-3085
Acta Politecnica Mexicana Instituto Politecnico Nacional, Apartado Postal 42-161, Mexico 17 D.F, Mexico

†**Acta Polytech. Ceske Vys. Uceni Tech. v Pr. III (Czechoslovakia)** (no.1 1968—)
Coden: APTECC
Acta Polytechnica Ceske Vysoke Uceni Technicke v Prace III Elektrotechnicka fakulta CVUT v Prace, Technicka ul. 2, Praha 2, Horska 4, Czechoslovakia

Acta Polytech. Scand. (Finland) (1968—)
Coden: APYEAZ
Acta Polytechnica Scandinavica Journal split into five sections: Acta Polytech. Scand. Chem. incl. Metall. Ser. (Finland), Acta Polytech. Scand. Electr. Eng. Ser. (Finland), Acta Polytech. Scand. Math. & Comput. Sci. Ser. (Finland), Acta Polytech. Scand. Mech. Eng. Ser. (Finland) and Acta Polytech. Scand. Appl. Phys. Ser. (Finland)

Acta Polytech. Scand. Appl. Phys. Ser. (Finland) (no.Ph128 1981—)
Coden: APSSDG ISSN 0355-2721
Acta Polytechnica Scandinavica, Applied Physics Series Finnish Academy of Technical Sciences, Kansakoulukatu 10 A, 00100 Helsinki 10, Finland. Supersedes in part: Acta Polytech. Scand. (Finland)

Acta Polytech. Scand. Chem. incl. Metall. Ser. (Finland) (no. Ch 142 1980—)
Coden: ASCMA4 ISSN 0001-6853
Acta Polytechnica Scandinavica, Chemistry including Metallurgy Series Finnish Academy of Technical Sciences, Kansakoulukatu 10 A, 00100 Helsinki 10, Finland. Supersedes in part: Acta Polytech. Scand. (Finland)

†**Acta Polytech. Scand. Electr. Eng. Ser. (Finland)** (no.El 43 1980—)
Coden: APSEA5 ISSN 0001-6845
Acta Polytechnica Scandinavica, Electrical Engineering Series Finnish Academy of Technical Sciences, Kansakoulukatu 10 A, 00100 Helsinki 10, Finland. Supersedes in part: Acta Polytech. Scand. (Finland)

Acta Polytech. Scand. Math. & Comput. Sci. Ser. (Finland) (no.Ma33 1981—)
Coden: ASMSD7 ISSN 0355-2713
Acta Polytechnica Scandinavica, Mathematics and Computer Science Series Finnish Academy of Technical Sciences, Kansakoulukatu 10 A, 00100 Helsinki 10, Finland. Supersedes in part: Acta Polytech. Scand. (Finland)

Acta Polytech. Scand. Mech. Eng. Ser. (Finland) (no.Me 78 1980—)
Coden: APMNA2 ISSN 0001-687X
Acta Polytechnica Scandinavica, Mechanical Engineering Series Finnish Academy of Technical Sciences, Kansakoulukatu 10 A, 00100 Helsinki 10, Finland. Supersedes in part: Acta Polytech. Scand. (Finland)

Acta Radiol. Diagn. (Sweden) (vol.21, no.5 1980—)
Coden: ACRDA8 ISSN 0567-8056
Acta Radiologica, Diagnosis P.O.Box 7449, S-103 91 Stockholm, Sweden

Acta Radiol. Oncol. Radiat. Phys. Biol. (Sweden) (vol.17, no.1 1978—)
Coden: ARONDT ISSN 0348-5196
Acta Radiologica, Oncology Radiation Physics Biology Formerly: Acta Radiol. Ther. Phys. Biol. (Sweden) Title changed to: Acta Radiol. Oncol. Radiat. Therapy Phys. & Biol. (Sweden)

Acta Radiol. Oncol. Radiat. Therapy Phys. & Biol. (Sweden) (vol.19, no.2 1980—)
Coden: AROBDR ISSN 0349-652X
Acta Radiologica, Oncology, Radiation Therapy, Physics and Biology Formerly: Acta Radiol. Oncol. Radiat. Phys. Biol. (Sweden)
P.O.Box 7449, S-103 91 Stockholm, Sweden

Acta Radiol. Ther. Phys. Biol. (Sweden) (vol.12, no.3 June 1973—)
Coden: ATHBA3
Acta Radiologica: Therapy Physics Biology Title changed to: Acta Radiol. Oncol. Radiat. Phys. Biol. (Sweden)

Acta Sci. Nat. Univ. Pekin. (China) (no.1 March 1978—)
Coden: PCTHAP ISSN 0479-8023
Acta Scientiarum Naturalium Universitatis Pekinensis Peking, People's Republic of China

Acta Sci. Nat. Univ. Sunyatseni (Zhongshandaxue Xuebao) (China) (no.1 1978—)
Coden: CHTHAJ
Acta Scientiarum Naturalium Universitatis Sunyatseni (Zhongshandaxue Xuebao) Canton Post Office, Canton, People's Republic of China

Acta Seismol. Sin. (China) (vol.1, no.1 Aug. 1979—)
Coden: ASSID7 ISSN 0253-3782
Acta Seismologica Sinica Subscription address: Guozi Shudian, P.O. Box 399, Beijing, People's Republic of China

Acta Tech. Acad. Sci. Hung. (Hungary) (1968—)
Coden: ATSHA8 ISSN 0001-7035
Acta Technica Academiae Scientiarum Hungaricae Akademiai Kiado, Budapest 1363, P.O. Box 24, Hungary

Acta Tech. CSAV (Czechoslovakia) (1968—)
Coden: ATCVA4 ISSN 0001-7043
Acta Technica CSAV Academia, Publishing House of the Czechoslovak Academy of Sciences, Vodickova 40, 112 29 Praha 1, Czechoslovakia. John Benjamins N.V., Periodical Trade, Warmoesstraat 54, Amsterdam, Netherlands

Acta Univ. Szeged. Acta Phys. & Chem. (Hungary) (1968—)
Coden: AUSHAF ISSN 0324-6523
Acta Universitatis Szegediensis, Acta Physica et Chemica Jozef Attila Tudomanyegyetem Termeszettudomany Kara, Szeged, Aradi Vertanuk Tere 1, Hungary

Acta Univ. Wratislav. Mat. Fiz. Astron. (Poland) (vol.37, no.561 1980—)
Coden: AWMFAR ISSN 0084-2966
Acta Universitatis Wratislaviensis, Matematyka Fizyka Astronomia Wydawnictwa Uniwersytetu Wroclawskiego, Wroclaw, Poland

†**Acustica (Germany)** (1968—)
Coden: ACUSAY ISSN 0001-7884
Acustica S. Hirzel Verlag, Postfach 347, 7 Stuttgart 1, Germany

ADL-Nachr. (Germany) (vol.13, no.53 July-Sept. 1968—)
Coden: ADLNAF
ADL-Nachrichten Title changed to: Online-ADL-Nachr. (Germany)

Adm. Manage. (USA) (vol.43, no.6 June 1982—)
Coden: ADMAAF ISSN 0001-8376
Administrative Management Merged with Word Process. & Inf. Syst. (USA) to form Off. Adm. & Autom. (USA)

Adv. Appl. Probab. (GB) (vol.1, no.1 Spring 1969—)
Coden: AAPBBD ISSN 0001-8678
Advances in Applied Probability University of Sheffield, Department of Probability and Statistics, Sheffield, S3 7RH, England

Adv. Colloid & Interface Sci. (Netherlands) (vol.4, no.1 Feb. 1974—)
Coden: ACISB9 ISSN 0001-8686
Advances in Colloid and Interface Science Elsevier Scientific Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

Adv. Earth & Planet. Sci. (Japan) (vol.9 1980—)
Coden: AEPSDQ
Advances in Earth and Planetary Sciences Issued with: *J. Geomagn. & Geoelectr. (Japan)*

Adv. Earth Oriented Appl. Space Technol. (GB) (vol.1, no.1 1981—)
Coden: AEOTDO ISSN 0191-538X
Advances in Earth Oriented Applications of Space Technology Title changed to: Earth-Oriented Appl. Space Technol. (GB)

Adv. Energy Convers. (GB) (1968—)
Coden: AECVAZ
Advanced Energy Conversion Title changed to: Energy Convers. (GB)

†**Adv. Eng. Software (GB)** (vol.1, no.4 Sept. 1979—)
Coden: AESODT ISSN 0141-1195
Advances in Engineering Software CML Publications, 125 High Street, Southampton SO1 0AA, England

Adv. Mol. Relaxation & Interaction Processes (Netherlands) (vol.10, no.3 July 1977—)
Coden: AMRPDF ISSN 0378-4487
Advances in Molecular Relaxation and Interaction Processes Formerly: Adv. Mol. Relaxation Processes (Netherlands) Title changed to: J. Mol. Liq. (Netherlands)

Adv. Mol. Relaxation Processes (Netherlands) (vol.5, no.1-3 Oct. 1973—)
Coden: AMRPBD
Advances in Molecular Relaxation Processes Title changed to: Adv. Mol. Relaxation & Interaction Processes (Netherlands)

†**Adv. Phys. (GB)** (1968—)
Coden: ADPHAH ISSN 0001-8732
Advances in Physics Taylor & Francis Ltd., 4 John Street, London WC1N 2ET, England

Adv. Space Res. (GB) (vol.2, no.1 1982—)
Coden: ASRSDW ISSN 0273-1177
Advances in Space Research Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW, England

†**AEDS J. (USA)** (vol.5, no.3 March 1972—)
Coden: AEDSAV ISSN 0001-1037
AEDS Journal Association for Educational Data Systems, 1201 16th Street, N.W., Washington, DC 20036, USA

AEDS Monit. (USA) (vol.9, no.8 March 1971—)
Coden: AEDMAD ISSN 0001-1045
AEDS Monitor Association for Educational Data Systems, 1201 16th Street, N.W., Washington, DC 20036, USA

AEG Mitt. (Germany) (1968—)
Coden: AEGMAS
AEG Mitteilungen Title changed to: Tech. Mitt. AEG-Telefunken (Germany)

AEG-Telefunken Wiss. Ber.
See: Wiss. Ber. AEG-Telefunken (Germany)

Aeronaut. & Astronaut. (France) (no.29 1971—)
Coden: AENABS ISSN 0001-9275
L'Aeronautique et l'Astronautique Editions Air et Cosmos, 6 Rue Anatole de la Forge, 75017 Paris, France

Aeronaut. J. (GB) (1968—)
Coden: AENJAK ISSN 0001-9240
Aeronautical Journal Royal Aeronautical Society, 4 Hamilton Place, London W1V 0BQ, England

Aeronaut. Q. (GB) (vol.14, pt.4 Nov. 1968—)
Coden: AEQUAY ISSN 0001-9259
Aeronautical Quarterly Royal Aeronautical Society, 4 Hamilton Place, London W1V 0BQ, England

Aerosol Sci. & Technol. (USA) (vol.2, no.1 1983—)
Coden: ASTYDQ ISSN 0278-6826
Aerosol Science and Technology Elsevier Science Publishing Co. Inc., 52 Vanderbilt Avenue, New York, NY 10017, USA

Aerosp. & Def. Rev. (GB) (no.39 Feb. 1980—)
Coden: ADERDT ISSN 0263-8150
Aerospace and Defence Review Formerly: Aviat. Rev. (GB)
Smiths Industries Aerospace & Defence Systems Co., Cricklewood, London NW2 6JN, England

AEU (Japan) (vol.6, no.1 1973—)
Coden: AEUNAX ISSN 0385-0447
AEU (Journal of Asia Electronics Union) Formerly: JAEU (Japan)
Dempa Publications Inc., 11-15 Higashi Gotanda 1-chome, Shinagawa-ku, Tokyo 141, Japan

Agora Inf. Changing World (Italy) (no.1 Jan.-March 1982—)
Coden: AGORDW ISSN 0392-8306
Agora, Informatics in a Changing World Intergovernmental Bureau for Informatics, 23 Viale Civita del Lavoro, P.O.Box 10253, 00144 Rome, Italy

AIAA J. (USA) (1968—)
Coden: AIAJAH ISSN 0001-1452
AIAA Journal American Institute of Aeronautics and Astronautics, 1290 Avenue of the Americas, New York, NY 10019, USA

AIChE J. (USA) (1968—)
Coden: AICEAC ISSN 0001-1541
A.I.Ch.E. Journal American Institute of Chemical Engineers, 345 East 47th Street, New York, NY 10017, USA

Aichi Inst. Technol. Bull.
See: Bull. Aichi Inst. Technol. (Japan)

Aichi Kogyo Daigaku Kenkyu Hokoku
See: Bull. Aichi Inst. Technol. (Japan)

AIIE Trans. (USA) (vol.5, no.2 June 1973—)
Coden: AIITAJ ISSN 0569-5554
AIIE Transactions Title changed to: IIE Trans. (USA)

†**AIP Conf. Proc. (USA)** (no.1 1970—)
Coden: APCPCS ISSN 0094-243X
AIP Conference Proceedings American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

Air Pollut. Control Assoc. J.
See: J. Air Pollut. Control Assoc. (USA)

Aircr. Eng. (GB) (vol.43, no.9 Sept. 1971—)
Coden: AIENAF ISSN 0002-2667
Aircraft Engineering Bunhill Publications Ltd., 127 Stanstead Road, London, SE23 1JE, England

Akron Bus. & Econ. Rev. (USA) (vol.12, no.3 Fall 1981—)
Coden: ABERDF ISSN 0044-7048
Akron Business and Economic Review University of Akron, Leigh Hall, 302 E. Buchtel Avenue, Akron, OH 44325, USA

Aktual. Probl. Inf. & Dok. (Poland) (vol.14, no.5 Sept.-Oct. 1969—)
Coden: APDKAG ISSN 0002-3787
Aktualne Problemy Informacji i Dokumentacji Centrum Informacji Naukowej, Techniczej I Ekonomicznej, 00-950 Warszawa, Al Niepodleglosci 188b, Poland

†**Akust. Zh. (USSR)** (1968—)
Coden: AKZHAE ISSN 0320-7919
Akusticheskii Zhurnal Akademiya Nauk SSSR, Leninskii Prosp. 14, Moskva, USSR [English translation in: *Sov. Phys.-Acoust. (USA)*]

Albiswerk-Ber. (Switzerland) (vol.19, no.2 Nov. 1967—)
Coden: ALBEBT
Albiswerk-Berichte Title changed to: Siemens-Albis Ber. (Switzerland)

Alfaatih Univ. Bull. Fac. Eng. (Libya) (vol.2 1976—)
Coden: BFEUDT
Alfaatih University Bulletin of the Faculty of Engineering P.O. Box 1098, Tripoli, Libya

ALGOL Bull. (GB) (no.29 Nov. 1968—)
Coden: ALGOBG ISSN 0084-6198
ALGOL Bulletin Editorial address: Department of Computer Science, University of Manchester, Manchester M13 9PL, England

Alkalmazott Mat. Lapok (Hungary) (vol.1, no.1-2 1975—)
Coden: AMLAD8 ISSN 0133-3399
Alkalmazott Matematikai Lapok Akademiai Kiado, 1055 Budapest V, Alkotmany Utca 21, Hungary

ALLC Bull. (GB) (vol.9, no.1 1981—)
Coden: ALLCB5 ISSN 0305-9855
ALLC Bulletin Formerly: Assoc. Lit. & Linguist. Comput. Bull. (GB)
Association for Literary and Linguistic Computing. Subscription address: Dr. J.L. Dawson, Literary and Linguistic Computing Centre, Sidgwick Site, Cambridge CB3 9DA, England

†**ALLC J. (GB)** (vol.1, no.1 Summer 1980—)
Coden: AJOUDS ISSN 0143-3385
ALLC Journal Association for Library and Linguistic Computing. Editorial address: Dr. Rex Last, Department of German, University of Hull, Hull HU6 7RX, England

Allm. Sven. Elektr. AB J.
See: ASEA J. (Sweden)

†**Alta Freq. (Italy)** (1968—)
Coden: ALFRAJ ISSN 0002-6557
Alta Frequenza Ufficio Centrale AEI-CEI, Viale Monza 259, 20126 Milano, Italy

Alternative Sources Energy (USA) (no.42 March-April 1980—)
Coden: ASENDK ISSN 0146-1001
Alternative Sources of Energy Alternative Sources of Energy Inc., 107 South Central Avenue, Milaca, NY 56353, USA

Alvey News (GB) (no.1 Sept. 1983—)
Alvey News Published for the Alvey Directorate by the Institution of Electrical Engineers, Savoy Place, London WC2R 0BL, England

Am. Assoc. Variable Star Obs. Bull.
See: Bull. Am. Assoc. Variable Star Obs. (USA)

Am. Assoc. Variable Star Obs. Circ.
See: AAVSO Circ. (USA)

Am. Assoc. Variable Star Obs. J.
See: J. Am. Assoc. Variable Star Obs. (USA)

Am. Astron. Soc. Bull.
See: Bull. Am. Astron. Soc. (USA)

Am. Astron. Soc. Photo-Bull.
See: AAS Photo-Bull. (USA)

Am. Bankers Assoc. Banking J.
See: ABA Banking J. (USA)

Am. Ceram. Soc. Bull. (USA) (1968—)
Coden: ACSBA7 ISSN 0002-7812
American Ceramic Society Bulletin 65 Ceramic Drive, Columbus, OH 43214, USA

Am. Ceram. Soc. J.
See: J. Am. Ceram. Soc. (USA)

Am. Chem. Soc. J.
See: J. Am. Chem. Soc. (USA)

Am. Doc. (USA) (1968—)
Coden: AMDOA7
American Documentation Title changed to: J. Am. Soc. Inf. Sci. (USA)

Am. Geophys. Union EOS Trans.
See: EOS Trans. Am. Geophys. Union (USA)

Am. Inst. Aeronaut. & Astronaut. J.
See: AIAA J. (USA)

Am. Inst. Chem. Eng. J.
See: AIChE J. (USA)

Am. Inst. Phys. Conf. Proc.
See: AIP Conf. Proc. (USA)

Am. J. Comput. Ling. (USA) (vol.7, no.1 Jan.-March 1981—)
Coden: AJCLD9 ISSN 0362-613X
American Journal of Computational Linguistics Association for Computational Linguistics. Secretary-Treasurer, D.E. Walker, SRI International, 333 Ravenswood Avenue, Menlo Park, CA 94025, USA. Editorial address: G.E. Heidorn, IBM Thomas J. Watson Research Center, P.O.Box 218, Yorktown Hights, NY 10598

Am. J. EEG Technol. (USA) (vol.11, no.3 Sept. 1971—)
Coden: AJETA6 ISSN 0002-9238
American Journal of EEG Technology Raven Press Publishers, 1140 Avenue of the Americas, New York, NY 10036, USA

Am. J. Optom. & Arch. Am. Acad. Optom. (USA) (vol.47, no.10 Oct. 1970—)
Coden: AJOAAX
American Journal of Optometry and Archives of American Academy of Optometry Title changed to: Am. J. Optom. & Physiol. Opt. (USA)

Am. J. Optom. & Physiol. Opt. (USA) (vol.51, no.1 Jan. 1974—)
Coden: AOPOCF ISSN 0093-7002
American Journal of Optometry and Physiological Optics Formerly: Am. J. Optom. & Arch. Am. Acad. Optom. (USA)
Williams & Wilkins Co., 428 East Preston Street, Baltimore, MD 21202, USA

†**Am. J. Phys. (USA)** (1968—)
Coden: AJPIAS ISSN 0002-9505
American Journal of Physics Published for the American Association of Physics Teachers by the American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

Am. J. Phys. Med. (USA) (vol.52, no.4 Aug. 1973—)
Coden: AJPBA7 ISSN 0002-9491
American Journal of Physical Medicine Williams and Wilkins Co., 428 East Preston Street, Baltimore, MD 21202, USA

Am. J. Sci. (USA) (vol.272, no.1 Jan. 1972—)
Coden: AJSCAP ISSN 0002-9599
American Journal of Science Kline Geology Laboratory, Yale University, Box 2161, New Haven, CT 06520, USA

Am. J. Small Bus. (USA) (vol.6, no.3 Jan.-March 1982—)
Coden: AJSBDP ISSN 0363-9428
American Journal of Small Business University of Baltimore, 1420 North Charles Street, Baltimore, MD 21201, USA

Am. Lab. (USA) (vol.6, no.1 Jan. 1974—)
Coden: ALBYBL ISSN 0044-7749
American Laboratory International Scientific Communications Inc., 808 Kings Highway Fairfield, CT 06430, USA

Am. Meteorol. Soc. Bull.
See: Bull. Am. Meteorol. Soc. (USA)

Am. Mineral. (USA) (vol.56 July-Aug. 1971—)
Coden: AMMIAY ISSN 0003-004X
American Mineralogist Mineralogical Society of America, 2000 Florida Avenue, N.W., Washington, DC 20009, USA

Am. Nucl. Soc. Trans.
See: Trans. Am. Nucl. Soc. (USA)

Am. Sci. (USA) (vol.58, no.3 May-June 1970—)
Coden: AMSCAC ISSN 0003-0996
American Scientist Society of Sigma XI, 345 Whitney Avenue, New Haven, CT 06510, USA

Am. Soc. Inf. Sci. Bull.
See: Bull. Am. Soc. Inf. Sci. (USA)

Am. Soc. Inf. Sci. J.
See: J. Am. Soc. Inf. Sci. (USA)

Am. Soc. Lubr. Eng. Trans.
See: ASLE Trans. (USA)

Am. Soc. Mech. Eng. Trans. J. Appl. Mech.
See: Trans. ASME. J. Appl. Mech. (USA)

Am. Soc. Mech. Eng. Trans. J. Biomech. Eng.
See: Trans. ASME. J. Biomech. Eng. (USA)

Am. Soc. Mech. Eng. Trans. J. Dyn. Syst. Meas. & Control
See: Trans. ASME. J. Dyn. Syst. Meas. & Control (USA)

Am. Soc. Mech. Eng. Trans. J. Energy Resour. Technol.
See: Trans. ASME. J. Energy Resour. Technol. (USA)

Am. Soc. Mech. Eng. Trans. J. Eng. Ind.
See: Trans. ASME. J. Eng. Ind. (USA)

Am. Soc. Mech. Eng. Trans. J. Eng. Mater. & Technol.
See: Trans. ASME. J. Eng. Mater. & Technol. (USA)

Am. Soc. Mech. Eng. Trans. J. Eng. Power
See: Trans. ASME. J. Eng. Power (USA)

Am. Soc. Mech. Eng. Trans. J. Fluids Eng.
See: Trans. ASME. J. Fluids Eng. (USA)

Am. Soc. Mech. Eng. Trans. J. Heat Transfer
See: Trans. ASME. J. Heat Transfer (USA)

Am. Soc. Mech. Eng. Trans. J. Lubr. Technol.
See: Trans. ASME. J. Lubr. Technol. (USA)

Am. Soc. Mech. Eng. Trans. J. Mech. Des.
See: Trans. ASME. J. Mech. Des. (USA)

Am. Soc. Mech. Eng. Trans. J. Pressure Vessel Technol.
See: Trans. ASME. J. Pressure Vessel Technol. (USA)

Am. Soc. Mech. Eng. Trans. J. Sol. Energy Eng.
See: Trans. ASME. J. Sol. Energy Eng. (USA)

Am. Soc. Test. & Mater. Stand. News
See: ASTM Stand. News (USA)

Am. Stat. (USA) (vol.36, no.1 Feb. 1982—)
Coden: ASTAAJ ISSN 0003-1305
American Statistician American Statistical Association, 806 15th Street, N.W., Washington, DC 20005, USA

Am. Stat. Assoc. J.
See: J. Am. Stat. Assoc. (USA)

AMR (Germany) (no.5-6 June 1975—)
Coden: AMRTAO
AMR Formerly: Angew. Elektron. Mess & Regeltech. (Germany) Title changed to: Process Eng. (Germany)

An. Acad. Bras. Cienc. (Brazil) (1968—)
Coden: AABCAD ISSN 0001-3765
Anais da Academia Brasileira de Ciencias Caixa Postal 229, ZC-00 Rio de Janeiro gb, Brazil

An. Fis. (Spain) (vol.66, no.7-8 July-Aug. 1970—)
Coden: ANFIA6
Anales de Fisica Formerly: An. R. Soc. Esp. Fis. & Quim. A (Spain). Journal now split into two parts: An. Fis. Ser. A (Spain) and An. Fis. Ser. B (Spain)

An. Fis. Ser. A (Spain) (vol.77, no.1 Jan.-April 1981—)
Coden: AFAIDU ISSN 0211-6243
Anales de Fisica, Serie A (Fenomenos e Interacciones) Real Sociedad Espanola de Fisica, Facultades de Ciencias, Ciudad Universitaria, Madrid 3, Spain. Supersedes in part: An. Fis. (Spain)

An. Fis. Ser. B (Spain) (vol.77, no.1 Jan.-April 1981—)
Coden: AFBIDZ ISSN 0211-6251
Anales de Fisica, Serie B (Aplicaciones, Metodos e Instrumentos) Real Sociedad Espanola de Fisica, Facultades de Ciencias, Ciudad Universitaria, Madrid 3, Spain. Supersedes in part: An. Fis. (Spain)

An. Mec. & Electr. (Spain) (1968—)
Coden: AMEMA6 ISSN 0003-2506
Anales de Mecanica y Electricidad Reina 31, Madrid-4, Spain

An. R. Soc. Esp. Fis. & Quim. A (Spain) (1968—)
Coden: ARSEAJ
Anales de la Real Sociedad Espanola de Fisica y Quimica. Serie A (Fisica) Title changed to: An. Fis. (Spain)

An. Stiint. Univ. 'Al.I.Cuza' Iasi (Ser. Noua) Sect. IB (Rumania) (1968—)
Coden: AUZFAA ISSN 0041-9141
Analele Stiintifice ale Universitatu 'Al.I. Cuza' din Iasi (Serie Noua) Sectiunea IB Fizica Calea 23 August, Iasi, Rumania

†**An. Univ. Bucuresti Fiz. (Rumania)** (vol.27 1978—)
Coden: ABFZA7 ISSN 0068-3108
Analele Universitatii Bucuresti Fizica Biblioteca Centrala Universitara, Serviciul Schimb de Publicatii, Bucuresti, Str. Onesti 1, Rumania

An. Univ. Bucuresti Ser. Mat. (Rumania) (vol.30 1981—)
Coden: AUBMDG
Analele Universitatii Bucuresti, Seria Matematica Biblioteca Centrala Universitara, Serviciul Schimb de Publicatii, Bucuresti, Str. Onesti 1, Rumania

Anal. Chem. (USA) (1968—)
Coden: ANCHAM ISSN 0003-2700
Analytical Chemistry American Chemical Society, 1155 Sixteenth Street N.W., Washington, DC 20036, USA

Anal. Math. (Hungary) (vol.3, no.1 1977—)
Coden: ANMADK ISSN 0133-3852
Analysis Matematica Kultura, Hungarian Trading Co., H-1389 Budapest 62, P.O. Box 149, Hungary

Analog Dialogue (USA) (vol.9, no.1 1975—)
Coden: ANDIDX ISSN 0161-3626
Analog Dialogue P.O. Box 280, Norwood, MA 02062, USA

Angew. Elektron. (Germany) (no.7-8 1974—)
Coden: AEMRC7
Angewandte Elektronik Title changed to: Angew. Elektron. Mess & Regeltech. (Germany)

Angew. Elektron. Mess & Regeltech. (Germany) (no.9 1971—)
Coden: AEMRC7
Angewandte Elektronik Mess & Regeltechnik Formerly: Angew. Elektron. (Germany) Title changed to: AMR (Germany)

†**Angew. Inf. (Germany)** (vol.13, no.1 Jan. 1971—)
Coden: AWIFA7 ISSN 0013-5704
Angewandte Informatik (Applied Informatics) Formerly: Elektron. Datenverarb. (Germany)
Friedr. Vieweg & Sohn Verlagsgesellschaft mbH, 6200 Wiesbaden, Gustav-Stresemann-Ring 12-16, Germany

Ann. Acad. Sci. Fenn. Ser. AI (Finland) (1968—)
Coden: AAFMAT ISSN 0066-1953
Annales Academiae Scientiarum Fennicae, Series AI (Mathematica) Snellmaninkatu 9-11, 00170 Helsinki 17, Finland

Ann. Acad. Sci. Fenn. Ser. AII (Finland) (1968—)
Coden: AAFCAX ISSN 0066-1961
Annales Academiae Scientiarum Fennicae, Series AII (Chemica) Snellmaninkatu 9-11, 00170 Helsinki 17, Finland

Ann. Acad. Sci. Fenn. Ser. AVI (Finland) (1968—)
Coden: AAFPA4 ISSN 0066-2003
Annales Academiae Scientiarum Fennicae, Series AVI (Physica) Snellmaninkatu 9-11, 00170 Helsinki 17, Finland

Ann. Assoc. Int. Calcul Analogique (Belgium) (1968—)
Coden: AAICAE
Annales de l'Association Internationale pour le Calcul Analogique Title changed to: Trans. Int. Assoc. Math. & Comput. Simulation (Belgium)

Ann. Biomed. Eng. (USA) (vol.2, no.4 Dec. 1974—)
Coden: ABMECF ISSN 0090-6964
Annals of Biomedical Engineering Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

Ann. Fac. Sci. Toulouse Math. (France) (vol.2, ser.5, no.3-4 1980—)
Coden: AFSMDU ISSN 0240-2955
Annales de la Faculte des Sciences de Toulouse, Mathematiques Universite Paul Sabatier, 31077 Toulouse Cedex, France

Ann. Fond. Louis de Broglie (France) (vol.6, no.1 1981—)
Coden: AFLBDU ISSN 0182-4295
Annales de la Fondation Louis de Broglie 1 rue Montgolfier, 75003 Paris, France

Ann. Fr. Microtech. & Chronom. (France) (vol.36, no.1 1982—)
Coden: AFMCE5 ISSN 0221-0665
Annales Francaises des Microtechniques et de Chronometrie Societe Francaise des Microtechniques et de Chronometrie, 39 Avenue de l'Observatoire, B.P.No. 1145, 25003 Besancon Cedex, France

Ann. Geofis. (Italy) (1968—)
Coden: AGFRAI ISSN 0365-2556
Annali di Geofisica Merged with Annales de Geophysique to form Annales Geophysicae

Ann. Geophys. (France) (vol.1, no.1 Jan.-Feb. 1983—)
Coden: ANGED2 ISSN 0755-0685
Annales Geophysicae Published for the European Geophysical Society by Gauthier-Villars. Subscription address: C.D.R. Centrale des Revues, 11 rue Gossin, F-92543 Montrouge Cedex, France. Formed by merger of Annali di Geofisica and Annales de Geophysique

Ann. Geophys. (France) (1968—)
Coden: AGEPA7 ISSN 0003-4029
Annales de Geophysique Merged with Annali di Geofisica to form Annales Geophysicae

Ann. Inst. Henri Poincare Sect. A (France) (1968—)
Coden: AHPAAO ISSN 0020-2339
Annales de l'Institut Henri Poincare, Section A (Physique Theorique) 11 Rue Pierre-Curie, Paris 5, France

Ann. Inst. Henri Poincare Sect. B (France) (1968—)
Coden: AHPBAR ISSN 0020-2347
Annales de l'Institut Henri Poincare, Section B (Calcul des Probabilities et Statistique) 11 Rue Pierre-Curie, Paris 5, France

Ann. Isr. Phys. Soc. (Israel) (vol.3 1980—)
Coden: AIPSDK ISSN 0309-8710
Annals of the Israel Physical Society c/o Department of Physics, Bar-Ilan University, Ramat-Gan, Israel. Adam Hilger Ltd., Techno House, Recliffe Way, Bristol BS1 6NX England

Ann. Ist. Super. Sanita (Italy) (vol.16, no.2 1980—)
Coden: AISSAW ISSN 0021-2571
Annali dell'Istituto Superiore di Sanita Viale Regina Elena 299, Roma, Italy

Ann. Math. Logic (Netherlands) (vol.21, no.1 Oct. 1981—)
Coden: AMLOAD ISSN 0003-4843
Annals of Mathematical Logic Title changed to: Ann. Pure & Appl. Logic (Netherlands)

Ann. Nucl. Energy (GB) (vol.2, no.1 Jan. 1975—)
Coden: ANENDJ ISSN 0306-4549
Annals of Nuclear Energy Formerly: Ann. Nucl. Sci. & Eng. (GB)
Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Ann. Nucl. Sci. & Eng. (GB) (vol.1, no.1 Jan. 1974—)
Coden: ANSECR
Annals of Nuclear Science and Engineering Formerly: J. Nucl. Energy (GB) Title changed to: Ann. Nucl. Energy (GB)

†**Ann. Phys. (France)** (1968—)
Coden: ANPHAJ ISSN 0003-4169
Annales de Physique Masson et Cie S.A., 120 Boulevard Saint-Germain, F-75280 Paris Cedex 06, France

†**Ann. Phys. (Germany)** (1968—)
Coden: ANPYA2 ISSN 0003-3804
Annalen der Physik J.A.Barth, Salomonstrasse 18B, Leipzig 701, Germany

†**Ann. Phys. (USA)** (1968—)
Coden: APNYA6 ISSN 0003-4916
Annals of Physics Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

Ann. Pure & Appl. Logic (Netherlands) (vol.24, no.1 July 1983—)
Coden: APALD7 ISSN 0003-4843
Annals of Pure and Applied Logic Formerly: Ann. Math. Logic (Netherlands)
Elsevier Science Publishers B.V. (North-Holland), P.O.Box 1991, 1000 BZ Amsterdam, Netherlands

Ann. Sci. (GB) (vol.28, no.1 Feb. 1972—)
Coden: ANNSA8 ISSN 0003-3790
Annals of Science Taylor & Francis Ltd., 10-14 Macklin Street, London, WC2B 5NF, England

†**Ann. Soc. Math. Pol. Ser. IV: Fundam. Inf. (Poland)** (vol.1, no.3 1978—)
Coden: FUMAAJ ISSN 0324-8429
Annales Societatis Mathematicae Polonae, Series IV: Fundamenta Informaticae Osrodek Rozpowszechiania Wydawnictw Naukowych PAN, 00-901 Warszawa, Palac Kultury i Nauki, Poland

Ann. Soc. Sci. Bruxelles Ser. I (Belgium) (1968—)
Coden: ASSBAH ISSN 0037-959X
Annales de la Societe Scientifique de Bruxelles, Serie I, Sciences Mathematiques, Astronomiques et Physiques Rue de Bruxelles 61, B5000 Namur, Belgium

†**Ann. Telecommun. (France)** (1968—)
Coden: ANTEAU ISSN 0003-4347
Annales des Telecommunications Centre National d'Etudes des Telecommunications, 38 Rue du General Leclerc, 92131 Issy-Les-Moulineaux, France

Ann. Tokyo Astron. Obs. (Japan) (1968—)
Coden: ATAOA7 ISSN 0082-4704
Annals of the Tokyo Astronomical Observatory University of Tokyo, Mitaka, Tokyo, Japan

Ann. Univ. Turku. Ser. AI (Finland) (1968—)
Coden: AUTUAP ISSN 0082-7002
Annales Universitatis Turkuensis, Ser AI (Astronomica-Chemica Physica-Mathematica) Turun Yliopisto, Turku, Finland

Annu. Inst. Mec. Appl. & Electrotech. (Bulgaria) (vol.22 1967—)
Coden: GVMEAF
Annuaire de l'Institut de Mecanique Appliquee et d'Electrotechnique Title changed to: Izv. Vmei 'Lenin' (Bulgaria)

Annu. Proc. Assoc. Sci. & Tech. Soc. S. Afr. (S. Africa) (1968—)
Coden: ATSAAL ISSN 0373-4250
Annual Proceedings of the Associated Scientific and Technical Societies of South Africa Kelvin House, 2 Hollard Street, Johannesburg, South Africa

Annu. Rep. Eng. Res. Inst. Fac. Eng. Univ. Tokyo (Japan) (vol.28 Dec. 1969—)
Coden: AFUTAO ISSN 0374-2482
Annual Report of the Engineering Research Institute, Faculty of Engineering, University of Tokyo Tokyo, Japan

Annu. Rep. Inst. Phys. Acad. Sin. (Taiwan) (vol.8 Dec. 1978—)
Coden: RIPSD3 ISSN 0304-5293
Annual Report of the Institute of Physics Academia Sinica Institute of Physics, Academia Sinica, Nankang, Taipei, Taiwan, Republic of China

Annu. Rep. Res. React. Inst. Kyoto Univ. (Japan) (vol.1 Oct. 1968—)
Coden: KURAAV ISSN 0454-9244
Annual Reports of the Research Reactor Institute Kyoto University Osaka, Japan

Annu. Rev. Autom. Program. (GB) (vol.6, pt.2 1969—)
Coden: ARVAAM ISSN 0066-4138
Annual Review in Automatic Programming Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW, England

Annu. Univ. Sofia Fac. Phys. (Bulgaria) (vol.63 1971—)
Coden: SUFGA9 ISSN 0584-0279
Annuaire de l'Universite de Sofia Faculte de Physique Sofiya, Bulgaria

Anritsu Tech. Bull. (Japan) (no.29 April 1973—)
Coden: ANTKAE ISSN 0003-5211
Anritsu Technical Bulletin Anritsu Electric Co. Ltd., 12-20, 4 chome, Minami-Azabu, Minato-ku, Tokyo, Japan

Anritsu Tekunikaru
See: Anritsu Tech. Bull. (Japan)

Antenna (Italy) (1968—)
Coden: ANTNBO ISSN 0392-470X
L'Antenna Via Monte Generoso 6/a, 20155 Milano, Italy

APE Eng. (GB) (no.12 April 1973—)
Coden: APEEA3 ISSN 0308-4256
APE Engineering Formerly: Apex (GB)
Amalgated Power Engineering Ltd., P.O. Box 43, Bedford MK40 4JB, England

Apex (GB) (no.2 Aug. 1969—)
Coden: APEXAQ
Apex Title changed to: APE Eng. (GB)

APL Quote Quad (USA) (vol.11, no.2 Dec. 1980—)
Coden: APLQD9 ISSN 0163-6006
APL Quote Quad Association for Computing Machinery, 1133 Avenue of the Americas, New York, NY 10036, USA

APL Tech. Dig. (USA) (vol.7, no.5 May-June 1968—)
Coden: APLDAZ
APL Technical Digest Title changed to: Johns Hopkins APL Tech. Dig. (USA)

Apl. Mat. (Czechoslovakia) (1968—)
Coden: APMTAK ISSN 0373-6725
Aplikace Matematiky Academia, Publishing House of the Czechoslovak Academy of Sciences, Vodickova 40, 112 29 Praha 1, Czechoslovakia

Apparecch. Idraul. Pneum. (Italy) (1968—)
Coden: AIPNB3
Apparecchiature Idrauliche e Pneumatische Title changed to: Fluid Apparecch. Idraul. & Pneum. (Italy)

Appl. Acoust. (GB) (vol.2, no.3 July 1969—)
Coden: AACOBL ISSN 0003-682X
Applied Acoustics Applied Science Publishers, Ripple Road, Barking, Essex, England

Appl. Anal. (GB) (vol.1, no.1 April 1971—)
Coden: APANCC ISSN 0003-6811
Applicable Analysis Gordon & Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England

Appl. Electr. Phenom. (USA) (1968—)
Coden: AECPBI
Applied electrical Phenomena Title changed to: Electrochem. Ind. Process. & Biol. (GB)

Appl. Energy (GB) (vol.1, no.1 Jan. 1975—)
Coden: APENDX ISSN 0306-2619
Applied Energy Applied Science Publishers Ltd., Ripple Road, Barking, Essex, England

Appl. Ergonomics (GB) (vol.9, no.2 June 1978—)
Coden: AERGBW ISSN 0003-6870
Applied Ergonomics Butterworth Scientific Ltd., Journals Division, P.O.Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England

Appl. Math. & Comput. (USA) (vol.8, no.1 Jan. 1981—)
Coden: AMHCBQ ISSN 0096-3003
Applied Mathematics and Computation Elsevier North Holland Inc., 52 Vanderbilt Avenue, New York, NY 10017, USA

Appl. Math. & Mech. (USA) (1968—)
Coden: AMMCBH ISSN 0021-8928
Applied Mathematics and Mechanics [Translation of: *Prikl. Mat. & Mekh. (USSR)*] Pergamon Press, Maxwell House, Fairview Park, Elmsford, NY 10523, USA

Appl. Math. & Optimiz. (USA) (vol.1, no.1 1974—)
Coden: AMOMBN ISSN 0095-4616
Applied Mathematics and Optimization Springer-Verlag Inc. New York, 175 Fifth Avenue, New York, NY 10010, USA

Appl. Math. Modelling (GB) (vol.1, no.1 June 1976—)
Coden: AMMODL ISSN 0307-904X
Applied Mathematical Modelling Butterworth Scientific Ltd., Journals Division, P.O.Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England

†**Appl. Opt. (USA)** (1968—)
Coden: APOPAI ISSN 0003-6935
Applied Optics Published for the Optical Society of America by the American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

Appl. Phys. (Germany) (vol.1, no.3 March 1973—)
Coden: APHYCC ISSN 0340-3793
Applied Physics Formerly: Z. Angew. Phys. (Germany). Journal now split into two parts: Appl. Phys. A (Germany) and Appl. Phys. B (Germany)

†**Appl. Phys. A (Germany)** (vol.A26, no.1 Sept. 1981—)
Coden: APSFDB ISSN 0721-7250
Applied Physics A (Solids and Surfaces) Springer-Verlag, Heidelberger Platz 3, D-1000 Berlin 33, Germany. Supersedes in part: Appl. Phys. (Germany)

†**Appl. Phys. B (Germany)** (vol.B26, no.1 Sept. 1981—)
Coden: APPCDL ISSN 0721-7269
Applied Physics B (Photophysics and Laser Chemistry) Springer-Verlag, Heidelberger Platz 3, D-1000 Berlin 33, Germany. Supersedes in part: Appl. Phys. (Germany)

Appl. Phys. Commun. (USA) (vol.1, no.1 1981—)
Coden: APCODQ ISSN 0277-9374
Applied Physics Communications Marcel Dekker Inc., 270 Madison Avenue, New York, NY 10016, USA

†**Appl. Phys. Lett. (USA)** (1968—)
Coden: APPLAB ISSN 0003-6951
Applied Physics Letters American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

Appl. Sci. Res. (Netherlands) (1968—)
Coden: ASRHAU ISSN 0003-6994
Applied Scientific Research Martinus Nijhoff, Lange Voorhout 9, Den Haag, Netherlands

†**Appl. Sol. Energy (USA)** (1968—)
Coden: ASOEA6 ISSN 0003-701X
Applied Solar Energy [Translation of: *Geliotekhnika (USSR)*] Allerton Press Inc., 150 Fifth Avenue, New York, NY 10011, USA

Appl. Spectrosc. (USA) (1968—)
Coden: APSPA4 ISSN 0003-7028
Applied Spectroscopy Society for Applied Spectroscopy, 428 East Preston Street, Baltimore, MD 21202, USA

Appl. Spectrosc. Rev. (USA) (vol.5, no.1 1971—)
Coden: APSRBB ISSN 0570-4928
Applied Spectroscopy Reviews Marcel Dekker Inc., 270 Madison Avenue, New York, NY 10016, USA

Appl. Stat. (GB) (vol.17, no.2 1968—)
Coden: APSTAG ISSN 0035-9254
Applied Statistics (Journal of the Royal Statistical Society Series C) Royal Statistical Society, 25 Enford Street, London, W1H 2BH, England

Appl. Surf. Sci. (Netherlands) (vol.1, no.1 Sept. 1977—)
Coden: ASUSDD ISSN 0378-5963
Applications of Surface Science North-Holland Publishing Co., P.O. Box 211, Amsterdam, Netherlands

Arabian J. Sci. & Eng. (GB) (vol.6, no.1 Jan. 1981—)
Coden: AJSEDY ISSN 0377-9211
Arabian Journal for Science and Engineering Published for the University of Petroleum and Minerals, Dhahran, Saudi Arabia, by John Wiley and Sons Ltd., Baffins Lane, Chichester, West Sussex PO19 1UD, England

Arch. Acoust. (Poland) (vol.3, no.1 1978—)
Coden: AACODN ISSN 0137-5075
Archives of Acoustics Polish Academy of Sciences, Palac Kultury i Nauki, 00-901 Warszawa, Poland

Arch. Autom. & Telemech. (Poland) (1968—)
Coden: AATMAV ISSN 0004-072X
Archiwum Automatyki i Telemechanika Polska Akademia Nauk, Editorial address, 00-818 Warszawa, ul. Krajowej Rady Naradowej 55, Poland

Arch. Eisenbahntech. (Germany) (no.23 Dec. 1968—)
Coden: AEBTAO ISSN 0341-0463
Archiv fur Eisenbahntechnik Hestra-Verlag, 61 Darmstadt, Holzhofallee 33,, Germany

Arch. Eisenhuettenwes. (Germany) (vol.43, no.5 May 1972—)
Coden: AREIAT ISSN 0003-8962
Archiv fur das Eisenhuttenwesen Verlag Stahleisen mgH, 4 Dusseldorf 1, Postfach 8229, Germany

Arch. Elektr. Uebertrag. (Germany) (1968—)
Coden: AEUBAV
Archiv der Elektrischen Ubertragung Title changed to: Arch. Elektron. & Uebertragungstech. (Germany)

†**Arch. Elektron. & Uebertragungstech. (Germany)** (vol.25, no.12 Dec. 1971—)
Coden: AEUTAH ISSN 0001-1096
Archiv fur Elektronik und Ubertragungstechnik (Electronics and Communication) Formerly: Arch. Elektr. Uebertrag. (Germany)
S. Hirzel Verlag, D-7 Stuttgart 1, Birkenwaldstrasse 44, Postfach 347, Germany

†**Arch. Elektrotech. (Germany)** (1968—)
Coden: AELTA6 ISSN 0003-9039
Archiv fur Elektrotechnik Springer-Verlag, D-1000 Berlin 33, Heidelberger Platz 3, Germany

†**Arch. Elektrotech. (Poland)** (1968—)
Coden: ARELA4 ISSN 0004-0746
Archiwum Elektrotechniki Polska Akademia Nauk, Editorial address: 00-662 Warszawa, Ul. Koszykowa 75, Poland

Arch. Hutn. (Poland) (vol.13, no.3 1968—)
Coden: AHUTA4 ISSN 0004-0770
Archiwum Hutnictwa Export-Import Enterprise 'Ruch', ul. Wilcza 46, Warszawa 1, Poland

Arch. Math. Logik & Grundlagenforsch. (Germany) (vol.16, no.1-2 1974—)
Coden: AMLGAN ISSN 0003-9268
Archiv fur Mathematische Logik und Grundlagenforschung Verlag W. Kohlhammer GmbH, Hessbruhlstrasse 69, Postfach 800 430, 7000 Stuttgart 80 (Vaihingen), Germany

Arch. Mech. (Poland) (vol.2, no.2 1973—)
Coden: AMESAO ISSN 0373-2029
Archives of Mechanics (Archiwum Mechaniki Stosowanej) Formerly: Arch. Mech. Stosow. (Poland)
Polish Scientific Publishers, Swietokrzyska 21, Warszawa, Poland

Arch. Mech. Stosow. (Poland) (vol.20, no.5 1968—)
Coden: AMESAO
Archiwum Mechaniki Stosowanej Title changed to: Arch. Mech. (Poland)

Arch. Post- & Fernmeldewes. (Germany) (vol.31, no.3 Aug. 1979—)
Coden: APOFDP ISSN 0170-8988
Archiv fur das Post - und Fernmeldewesen Bundesministerium fur das Post- und Fernmeldewesen, Adenauerallee 81, 5300 Bonn 1, Germany

Arch. Ration. Mech. & Anal. (Germany) (vol.51, no.5 18 Sept. 1973—)
Coden: AVRMAW ISSN 0003-9527
Archive for Rational Mechanics and Analysis Springer-Verlag, D1000 Berlin 33, Heidelberger Platz 3, Germany

Arch. Sci. (Switzerland) (1968—)
Coden: ASGVAH ISSN 0003-9705
Archives des Sciences Societe de Physique et d'Histoire Naturelle de Geneve. Subscription address: Librairie Payot, 6 Rue Grenus, 1211 Geveva 11, Switzerland

Arch. Tech. Mess. & Ind. Messtech. (Germany) (1968—)
Coden: ATMIAF
Archiv fur technisches Messen und industrielle Messtechnik Title changed to: Arch. Tech. Mess. & Messtech. Prax. (Germany)

Arch. Tech. Mess. & Messtech. Prax. (Germany) (no.438 July 1972—)
Coden: ATMPC4
Archiv fur Technisches Messen & Messtechnische Praxis Formerly: Arch. Tech. Mess. & Ind. Messtech. (Germany) Title changed to: Tech. Mess. - ATM (Germany)

Archaeoastronomy (GB) (no.1 1979—)
Coden: ARHADN ISSN 0142-7253
Archaeoastronomy Issued with: *J. Hist. Astron. (GB)*

Archaeometry (GB) (vol.15, pt.2 July 1973—)
Coden: ARCHAG ISSN 0003-813X
Archaeometry Research Laboratory for Archaeology and the History of Art, Oxford University, 6 Keble Road, Oxford OX1 3QJ, England

Ark. Fys. (Sweden) (1968—)
Coden: AFYSA7
Arkiv for Fysik Title changed to: Phys. Scr. (Sweden)

Ark. Fys. Semin. Trondheim (Norway) (no.9 1973—)
Coden: AFYTAA ISSN 0365-2459
Arkiv for det Fysiske Seminar i Trondheim c/o Institutt for Teoretisk Fysikk, Universitetet i Trondheim, NTH, N-7034 Trondheim, Norway

Ark. Mat. (Sweden) (1968—)
Coden: AKMTAJ ISSN 0004-2080
Arkiv for Matematik Institut Mittag-Leffler, Auravagen 17, S-182 62 Djursholm, Sweden

Arkansas Bus. & Econ. Rev. (USA) (vol.14, no.2 Summer 1981—)
Coden: ABRVBM ISSN 0004-1742
Arkansas Business and Economic Review University of Arkansas, Bureau of Business and Economic Research, College of Business Administration, Fayetteville, AR 72701, USA

ARMA Rec. Manage. Q. (USA) (vol.17, no.3 July 1983—)
ARMA Records Management Quarterly Association of Records Managers and Administrators Inc., 4200 Somerset Drive, Suite 215, Prairie Village, KS 66208, USA

†**Artif. Intell. (Netherlands)** (vol.2, no.1 Spring 1971—)
Coden: AINTBB ISSN 0004-3702
Artificial Intelligence North-Holland Publishing Co., P.O. Box 211, Amsterdam, Netherlands

ASEA J. (Sweden) (1968—)
Coden: ASEJA5 ISSN 0001-2459
ASEA Journal Allmanna Svenska Elektriska AB, S-721 83 Vasteras, Sweden

Asia Electron. Union J.
See: AEU (Japan)

Asian Broadcast. Union Tech. Rev.
See: ABU Tech. Rev. (Japan)

Asian Comput. Mon. (Hong Kong) (no.60 Oct. 1982—)
Coden: ASCMD7 ISSN 0254-217X
Asian Computer Monthly Computer Publications Ltd., 7th Floor, 22 Wyndham Street, Hong Kong, Hong Kong

ASLE Trans. (USA) (vol.17, no.2 April 1974—)
Coden: ASLTA2 ISSN 0569-8197
ASLE Transactions American Society of Lubrication Engineers, 838 Busse Highway, Park Ridge, IL 60068, USA

ASLIB Proc. (GB) (vol.22, no.4 April 1970—)
Coden: ASLPAO ISSN 0001-253X
ASLIB Proceedings 3 Belgrave Square, London, SW1X 8PL, England

ASME Trans. J. Appl. Mech.
See: Trans. ASME. J. Appl. Mech. (USA)

ASME Trans. J. Biomech. Eng.
See: Trans. ASME. J. Biomech. Eng. (USA)

ASME Trans. J. Dyn. Syst. Meas. & Control
See: Trans. ASME. J. Dyn. Syst. Meas. & Control (USA)

ASME Trans. J. Energy Resour. Technol.
See: Trans. ASME. J. Energy Resour. Technol. (USA)

ASME Trans. J. Eng. Ind.
See: Trans. ASME. J. Eng. Ind. (USA)

ASME Trans. J. Eng. Mater. & Technol.
See: Trans. ASME. J. Eng. Mater. & Technol. (USA)

ASME Trans. J. Eng. Power
See: Trans. ASME. J. Eng. Power (USA)

ASME Trans. J. Fluids Eng.
See: Trans. ASME. J. Fluids Eng. (USA)

ASME Trans. J. Heat Transfer
See: Trans. ASME. J. Heat Transfer (USA)

ASME Trans. J. Lubr. Technol.
See: Trans. ASME. J. Lubr. Technol. (USA)

ASME Trans. J. Mech. Des.
See: Trans. ASME. J. Mech. Des. (USA)

ASME Trans. J. Pressure Vessel Technol.
See: Trans. ASME. J. Pressure Vessel Technol. (USA)

ASME Trans. J. Sol. Energy Eng.
See: Trans. ASME. J. Sol. Energy Eng. (USA)

ASR - Bull. INORGA (Czechoslovakia) (vol.16, no.1 1982—)
Coden: ABUIDY ISSN 0231-8954
ASR - Bulletin INORGA Formerly: Autom. Syst. Rizeni (Czechoslovakia)
INORGA, Letenska 17, 118 08 Praha 1, Czechoslovakia

Assem. Autom. (GB) (vol.1, no.3 May 1981—)
Coden: ASAUDL ISSN 0144-5154
Assembly Automation IFS (Publications) Ltd., 35-39 High Street, Kempston, Bedford MK42 7BT, England

Assoc. Can. Bibl. Lang. Fr. Bull. (Canada) (vol.18, no.1 March 1972—)
Coden: BCBLAV
Association Canadienne des Bibliothecaires de Langue Francaise. Bulletin Title changed to: Doc. & Bibl. (Canada)

Assoc. Comput. Mach. Commun.
See: Commun. ACM (USA)

Assoc. Comput. Mach. J.
See: J. Assoc. Comput. Mach. (USA)

Assoc. Comput. Mach. SIGDOC Asterisk
See: ACM SIGDOC Asterisk (USA)

Assoc. Comput. Mach. Trans. Database Syst.
See: ACM Trans. Database Syst. (USA)

Assoc. Comput. Mach. Trans. Graphics
See: ACM Trans. Graphics (USA)

Assoc. Comput. Mach. Trans. Math. Software
See: ACM Trans. Math. Software (USA)

Assoc. Comput. Mach. Trans. Off. Inf. Syst.
See: ACM Trans. Off. Inf. Syst. (USA)

Assoc. Comput. Mach. Trans. Program. Lang. & Syst.
See: ACM Trans. Program. Lang. & Syst. (USA)

Assoc. Educ. Data Syst. J.
See: AEDS J. (USA)

Assoc. Educ. Data Syst. Monit.
See: AEDS Monit. (USA)

Assoc. Ing. Electr. Inst. Electrotech. Montefiore Bull. Sci.
See: Bull. Sci. Assoc. Ing. Electr. Inst. Electrotech. Montefiore (Belgium)

Assoc. Libr. & Ling. Comput. J.
See: ALLC J. (GB)

Assoc. Lit. & Linguist. Comput. Bull. (GB) (vol.1, no.2 Summer 1973—)
Coden: ALLCB5 ISSN 0305-9855
Association for Literary and Linguistic Computing Bulletin Title changed to: ALLC Bull. (GB)

Assoc. Lit. Linguist. Comput. Bull.
See: ALLC Bull. (GB)

Assoc. Lunar. & Planet. Obs. J.
See: J. Assoc. Lunar & Planet. Obs. Strolling Astron. (USA)

Assoc. Spec. Libr. & Inf. Bur. Proc.
See: ASLIB Proc. (GB)

ASTM Stand. News (USA) (vol.1, no.1 Jan. 1973—)
Coden: STDNAD ISSN 0090-1210
ASTM Standardization News Formerly: Mater. Res. & Stand. (USA)
American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103, USA

Astrofiz. Issled.-Izv. Spets. Astrofiz. Obs. (USSR) (vol.10 1978—)
Coden: AILEDQ ISSN 0324-1459
Astrofizicheskie Issledovaniya-Izestiya Spetsial'noi Astrofizicheskoi Observatorii 'Nauka', Leningradskoe Otdelenie, 199164 Leningrad V-164, Mendeleevskaya Lin. d. 1, USSR [English translation in: *Bull. Spec. Astrophys. Obs.-North Caucasus (USA)*]

†Astrofizika (USSR) (1968—)
Coden: ASTKBG
Astrofizika Academy of the Armenian SSR, Erevan, USSR [English translation in: *Astrophysics (USA)*]

Astrometriya & Astrofiz. (USSR) (no.14 1971—)
Coden: AAFZBZ ISSN 0582-8198
Astrometriya i Astrofizika Izdatel'stvo 'Naukova Dumka' 252601 Kiev, GSP, Repina 3, USSR

†Astron. & Astrophys. (Germany) (vol.6, no.1 May 1970—)
Coden: AAEJAF ISSN 0004-6361
Astronomy and Astrophysics Springer-Verlag, D-1000 Berlin 33, Heidelberger Platz 3, Germany

†Astron. & Astrophys. Suppl. Ser. (France) (vol.39, no.1 Jan. 1980—)
Coden: AAESB9 ISSN 0365-0138
Astronomy & Astrophysics Supplement Series Formerly: Astron. & Astrophys. Suppl. Ser. (Switzerland)
Editions de Physique, Avenue du Hoggar, Zone Industrielle de Courtaboeuf, BP 112, 91402 Orsay, France

Astron. & Astrophys. Suppl. Ser. (Switzerland) (vol.5, no.1 Jan. 1972—)
Coden: AAESB9
Astronomy and Astrophysics Supplement Series Title changed to: Astron. & Astrophys. Suppl. Ser. (France)

Astron. Circ. (Acad. Sin.) (China) (no.3 24 May 1979—)
Coden: TWTHD8
Astronomical Circulars (Academia Sinica) Academia Sinica, Beijing, People's Republic of China

Astron. Her. (Japan) (vol.63, no.2 Feb. 1970—)
Coden: TGEPAC ISSN 0374-2466
Astronomical Herald Astronomical Society of Japan, Tokyo Astronomical Observatory, Oosawa Mitaka, Tokyo, Japan

Astron. Inst. Czech. Bull.
See: Bull. Astron. Inst. Czech. (Czechoslovakia)

†Astron. J. (USA) (1968—)
Coden: ANJOAA ISSN 0004-6256
Astronomical Journal Published for the American Astronomical Society by the American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

†Astron. Nachr. (Germany) (vol.297, no.4 1976—)
Coden: ASNAAN ISSN 0004-6337
Astronomische Nachrichten Akademie-Verlag, DDR-108 Berlin, Leipziger Strasse 3-4, Germany

Astron. Soc. Aust. Proc.
See: Proc. Astron. Soc. Aust. (Australia)

Astron. Soc. India Bull.
See: Bull. Astron. Soc. India

Astron. Soc. India Mem.
See: Mem. Astron. Soc. India

Astron. Soc. Jpn. Publ.
See: Publ. Astron. Soc. Jpn. (Japan)

Astron. Soc. Pac. Publ.
See: Publ. Astron. Soc. Pac. (USA)

Astron. Soc. South. Afr. Mon. Notes
See: Mon. Notes Astron. Soc. South Afr. (S. Africa)

Astron. Tidsskr. (Sweden) (vol.7, no.1 1974—)
Coden: ANTKBF ISSN 0004-6345
Astronomisk Tidsskrift Editorial address: Institutionen for Astronomi, 222 24 Lund, Sweden

Astron. Vestn. (USSR) (vol.3, no.4 Oct.-Dec. 1969—)
Coden: ASVEA7 ISSN 0320-930X
Astronomicheskii Vestnik ab/yasht 918, Moskva, K-9, USSR [English translation in: *Sol. Syst. Res. (USA)*]

†Astron. Zh. (USSR) (1968—)
Coden: ASZHA2 ISSN 0004-6299
Astronomicheskii Zhurnal Agent: Mezhdunarodnaya Kniga, Moskva, USSR [English translation in: *Sov. Astron. (USA)*]

Astronaut. Acta (GB) (1968—)
Coden: ASACAW
Astronautica Acta Title changed to: Acta Astronaut. (GB)

Astronomy (USA) (vol.4, no.1 April 1976—)
Coden: ASTRD5 ISSN 0091-6358
Astronomy Astro Media Corp., 625 E. St. Paul Avenue, P.O.Box 92788, Milwaukee, WI 53202, USA

†Astrophys. & Space Sci. (Netherlands) (1968—)
Coden: APSSBE ISSN 0004-640X
Astrophysics and Space Science D. Reidel Publishing Co., P.O. Box 17, 3300 AA Dordrecht, Netherlands. Incorporates Cosmic Electrodynam. (Netherlands)

†Astrophys. J. (USA) (1968—)
Coden: ASJOAB ISSN 0004-637X
Astrophysical Journal University of Chicago Press, 5801 Ellis Avenue, Chicago, IL 60637, USA

†Astrophys. J. Lett. Ed. (USA) (vol.168, no.3, pt.2 15 Sept. 1971—)
Coden: AJLEAU ISSN 0571-7248
Astrophysical Journal. Letters to the Editor University of Chicago Press, 5801 Ellis Avenue, Chicago, IL 60637, USA

Astrophys. J. Suppl. (USA) (1968—)
Coden: APJSA2
Astrophysical Journal Supplement Title changed to: Astrophys. J. Suppl. Ser. (USA)

†Astrophys. J. Suppl. Ser. (USA) (vol.43, no.1 May 1980—)
Coden: APJSA2 ISSN 0067-0049
Astrophysical Journal Supplement Series Formerly: Astrophys. J. Suppl. (USA)
University of Chicago Press, 5801 S. Ellis Avenue, Chicago, IL 60637, USA

†Astrophys. Lett. (GB) (1968—)
Coden: ASTLAI ISSN 0004-6388
Astrophysical Letters Gordon & Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England

†Astrophysics (USA) (1968—)
Coden: ATPYAA ISSN 0571-7132
Astrophysics [Translation of: *Astrofizika (USSR)*] Consultants Bureau, 233 Spring Street, New York, NY 10013, USA

At. & Strom (Germany) (1968—)
Coden: ATSTAA ISSN 0004-7066
Atom und Strom Vereinigung Deutscher Elektrizitatswerke, Verlags-u. Wirtschaftsgesellschaft der Elektrizitatswerke, Stresemannallee 23, 6000 Frankfurt (Main) 70, Germany

At. Absorpt. Newsl. (USA) (vol.8, no.6 Nov.-Dec. 1969—)
Coden: AABNAC
Atomic Absorption Newsletter Title changed to: At. Spectrosc. (USA)

At. Data & Nucl. Data Tables (USA) (vol.12, no.1 Aug. 1973—)
Coden: ADNDAT ISSN 0092-640X
Atomic Data and Nuclear Data Tables Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA. Formed by merger of At. Data (USA) and Nucl. Data Tables (USA)

At. Data (USA) (vol.1, no.1 Sept. 1969—)
Coden: ATDAAE
Atomic Data Merged with Nucl. Data Tables (USA) to form At. Data & Nucl. Data Tables (USA)

At. Energ. (USSR) (1968—)
Coden: AENGAB ISSN 0004-7163
Atomnaya Energiya Akademiya Nauk SSR, Leninskii Prosp. 14, Moskva, USSR [English translation in: *Sov. At. Energy (USA)*]

At. Energy Aust. (Australia) (vol.13, no.4 Oct. 1970—)
Coden: AEAUAM ISSN 0004-7090
Atomic Energy in Australia Australian Atomic Energy Commission, Post Office, Coogee, N.S.W. 2034, Australia

At. Energy Rev. Spec. Issue (Austria) (no.8 1981—)
Coden: AERSD2
Atomic Energy Review, Special Issue International Atomic Energy Agency, Wagramerstrasse 5, P.O.Box 100, A-1400 Vienna, Austria

At. Energy Soc. Jpn. J.
See: J. At. Energy Soc. Jpn. (Japan)

At. Spectrosc. (USA) (vol.1, no.1 Jan.-Feb. 1980—)
Coden: ASPND7 ISSN 0195-5373
Atomic Spectroscopy Formerly: At. Absorpt. Newsl. (USA)
Perkin-Elmer Corp., Main Avenue, Norwalk, CT 06856, USA

Ateliers Constr. Electr. Charleroi Rev.
See: ACEC Rev. (Belgium)

Atmos. Environ. (GB) (vol.6, no.1 Jan. 1972—)
Coden: ATENBP ISSN 0004-6981
Atmospheric Environment Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Atmos. Technol. (USA) (no.9 Spring 1978—)
Coden: ATTED7 ISSN 0091-2026
Atmospheric Technology National Center for Atmospheric Research, Post Office Box 3000, Boulder, CO 80303, USA

Atom (GB) (no.142 Aug. 1968—)
Coden: ATMMAR ISSN 0004-7015
Atom United Kingdom Atomic Energy Authority, 11 Charles II Street, London, SW1Y 4QP, England

Atomkernenerg. Kerntech. (Germany) (vol.33, no.1 1979—)
Coden: ATKEDU ISSN 0171-5747
Atomkernenergie Kerntechnik Formerly: Atomkernenergie (Germany)
Verlag Karl Thiemig AG, Pilgersheimerstrasse 38, Postfach 900740, D-8000 Munchen 90, Germany

Atomkernenergie (Germany) (1968—)
Coden: ATKEAR
Atomkernenergie Title changed to: Atomkernenerg. Kerntech. (Germany)

Atomwirtsch.-Atomtech. (Germany) (vol.14, no.1 Jan. 1969—)
Coden: AWAKAG ISSN 0365-8414
Atomwirtschaft-Atomtechnik Handelsblatt GmbH, 4 Dusseldorf 1, Kreuzstrasse 21, Postfach 1102, Germany

Atoomenerg. Toepass. (Netherlands) (vol.11, no.2 Feb. 1969—)
Coden: AETPAY
Atoomenergie en haar Toepassingen Title changed to: Energiespectrum (Netherlands)

Atti Accad. Ligure Sci. & Lett. (Italy) (vol.25, no.1 1969—)
Coden: AALGA7 ISSN 0392-2219
Atti della Accademia Ligure di Scienze e Lettere Palazzo Reale, Via Balbi 10, 16126 Genova, Italy

Atti Accad. Naz. Lincei, Rend. Cl. Sci. Fis. Mat. & Nat. (Italy) (vol.49, no.6 1970—)
Coden: AANLAW ISSN 0001-4435
Atti della Accademia Nazionale dei Lincei. Rendiconti, Classe di Scienze Fisiche, Matematiche e Naturali Via della Lungara 10, 000165 Roma, Italy

Atti Accad. Sci. Ist. Bologna Cl. Sci. Fis. Mem. Ser. IV (Italy) (no.3 1979—)
Coden: AABMA9 ISSN 0515-2143
Atti della Accademia delle Scienze dell' Istituto di Bologna, Classe di Scienze Fisiche, Memorie, Serie IV Bologna, Italy

Atti Accad. Sci. Ist. Bologna Cl. Sci. Fis. Rend. Ser. XIII (Italy) (vol.6, no.2 31 Oct. 1979—)
Coden: AABFAM ISSN 0365-0057
Atti della Accademia delle Scienze dell' Istituto di Bologna, Classe di Scienze Fisiche, Rendiconti, Serie XIII Bologna, Italy

Atti Accad. Sci. Torino I (Italy) (1968—)
Coden: AATFAA ISSN 0001-4419
Atti della Accademia delle Scienze di Torino. I. Classe di Scienze Fisiche, Mathematiche e Naturali Via Accademia delle Scienze 6, Via Maria Vittoria 3, Torino (208), Italy

Atti Fond. Giorgio Ronchi & Contrib. Ist. Naz. Ottica (Italy) (1968—)
Coden: AFROAS
Atti della Fondazione Giorgio Ronchi e Contributi dell' Istituto Nazionale di Ottica Title changed to: Atti Fond. Giorgio Ronchi (Italy)

Atti Fond. Giorgio Ronchi (Italy) (vol.31, no.1 Jan.-Feb. 1976—)
Coden: AFDGA2 ISSN 0015-606X
Atti della Fondazione Giorgio Ronchi Formerly: Atti Fond. Giorgio Ronchi & Contrib. Ist. Naz. Ottica (Italy)
Largo Enrico Fermi 1, 50125 Arcetri-Firenze, Italy

Atti Semin. Mat. & Fis. Univ. Modena (Italy) (vol.18, no.2 1969—)
Coden: ASMMAK ISSN 0041-8986
Atti del Seminario Matematico e Fisico dell' Universita di Modena Modena, Italy

Atti Soc. Peloritana Sci. Fis. Mat. & Nat. (Italy) (1968—)
Coden: ASPSAJ ISSN 0037-8860
Atti della Societa Peloritana di Scienze Fisiche Mathematiche e Naturali Universita di Messina, Messina, Italy

Audio Eng. Soc. J.
See: J. Audio Eng. Soc. (USA)

Audio Scene Can. (Canada) (vol.11, no.2 Feb. 1974—)
Coden: AUSCC2
Audio Scene Canada Formerly: Electron (Canada) Title changed to: Audio Video Can. (Canada)

Audio Video Can. (Canada) (vol.18, no.7 July 1981—)
Coden: AVCADQ ISSN 0315-1182
Audio Video Canada Formerly: Audio Scene Can. (Canada) Title changed to: Sound Can. (Canada)

Audio Visual (GB) (no.141 Sept. 1983—)
ISSN 0305-2249
Audio Visual Maclaren Publishers, P.O.Box 109, Maclaren House, Scarbrook Road, Croydon, Surrey CR9 1QH, England

Audiol. Akust. (Germany) (vol.21, no.5 Sept.-Oct. 1982—)
Coden: AUKADP ISSN 0172-8261
Audiologische Akustik (Audiological Acoustics) Median Verlag, 6900 Heidelberg 1, P.O.Box 103964, Germany

Aust. Ceram. Soc. J.
See: J. Aust. Ceram. Soc. (Australia)

Aust. Comput. Bull. (Australia) (vol.4, no.4 May 1980—)
Coden: ACBUDG ISSN 0313-9050
Australian Computer Bulletin Australian Computer Society Inc., P.O.Box N26, Grosvenor Street, Sydney, N.S.W. 2000, Australia

†**Aust. Comput. J. (Australia)** (vol.2, no.2 May 1970—)
Coden: ACMJB2 ISSN 0004-8917
Australian Computer Journal Australian Trade Publications, 28 Chippen Street, Chippendale, N.S.W. 2008, Australia

†**Aust. Comput. Sci. Commun. (Australia)** (vol.1, no.2 June 1979—)
Coden: ACSCDD ISSN 0157-3055
Australian Computer Science Communications Department of Information Science, University of Tasmania, G.P.O. Box 252C Hobart, Tasmania 7001, Australia

Aust. Electr. World (Australia) (vol.45, no.2 Feb. 1980—)
Coden: AUEWAO ISSN 0726-7827
Australian Electrical World Strand Publishing Pty. Ltd., 432 Queen Street, Brisbane 4000, Australia

Aust. Electron. Bull. (Australia) (Sept. 1980—)
Coden: AEBUDU ISSN 0159-2939
Australian Electronics Bulletin Technical Indexes Pty. Ltd., 4 Kembla Street, East Cheltenham, Vic. 3192, Australia

Aust. Electron. Eng. (Australia) (vol.5, no.11 Nov. 1972—)
Coden: AUEEB5 ISSN 0004-9042
Australian Electronics Engineering Thomson Publications (Australia) Pty. Ltd., 47 Chippen Street, Chippendale, N.S.W. 2008, Australia

Aust. Inst. Eng. Civ. Eng. Trans.
See: Trans. Inst. Eng. Aust. Civ. Eng. (Australia)

Aust. Inst. Eng. Mech. Eng. Trans.
See: Trans. Inst. Eng. Aust. Mech. Eng. (Australia)

Aust. J. Audiol. (Australia) (vol.4, no.2 Nov. 1982—)
Coden: AJAUDQ ISSN 0157-1532
Australian Journal of Audiology Audiological Society of Australia, c/o National Acoustic Laboratories, 5 Hickson Road, Sydney, NSW, Australia

Aust. J. Geod. Photogramm. & Surv. (Australia) (no.34 June 1981—)
Coden: AJGSDG ISSN 0313-9220
Australian Journal of Geodesy, Photogrammetry and Surveying School of Surveying, University of New South Wales, P.O.Box 1, Kensington, NSW 2033, Australia

Aust. J. Instrum. & Control (Australia) (1968—)
Coden: AJICA9 ISSN 0045-0626
Australian Journal of Instrumentation and Control Research Publications Pty. Ltd., 12 Terra Cotta Drive, Blackburn, Vict. 3130, Australia

†**Aust. J. Phys. (Australia)** (1968—)
Coden: AUJPAS ISSN 0004-9506
Australian Journal of Physics CSIRO, 314 Albert Street, East Melbourne, Victoria 3002, Australia

Aust. J. Phys. Astrophys. Suppl. (Australia) (no.39 Jan. 1976—)
Coden: AJPAB5 ISSN 0572-1164
Australian Journal of Physics, Astrophysical Supplement CSIRO, 314 Albert Street, East Melbourne, Victoria 3002, Australia

Aust. Math. Soc. Bull.
See: Bull. Aust. Math. Soc. (Australia)

Aust. Math. Soc. J. Ser. B
See: J. Aust. Math. Soc. Ser. B (Australia)

†**Aust. Telecommun. Res. (Australia)** (vol.2, no.2 Nov. 1968—)
Coden: ATRABH ISSN 0001-2777
Australian Telecommunication Research Telecommunication Society of Australia, Box 4050, G.P.O., Melbourne, Victoria 3001, Australia

Australas. Phys. & Eng. Sci. Med. (Australia) (vol.3, no.1 Jan.-Feb. 1980—)
Coden: AUPMDI ISSN 0158-9938
Australasian Physical & Engineering Sciences in Medicine Formerly: Australas. Phys. Sci. Med. (Australia)
Mr. K.H. Clarke, Unit of Physical Sciences, Cancer Institute, 481 Little Lonsdale Street, Melbourne, Victoria 3000, Australia

Australas. Phys. Sci. Med. (Australia) (vol.2, no.4 May 1979—)
Coden: APSMDW
Australasian Physical Sciences in Medicine Title changed to: Australas. Phys. & Eng. Sci. Med. (Australia)

Auto-Volt Electrauto (France) (no.523 June 1979—)
Coden: AUVOAH ISSN 0005-0881
Auto-Volt Electrauto 49 rue de Maubeuge, 75009 Paris, France

Autom. & Control (New Zealand) (vol.6, no.4 1976—)
Coden: AUCODR ISSN 0110-6295
Automation and Control Associated Group Media Ltd., Certified Concrete Building, Madeira Place, Auckland 1, New Zealand

Autom. & Electron. (Rumania) (1968—)
Coden: AUELAP
Automatica si Electronica Title changed to: Electroteh. Electron. & Autom. Autom. & Electron. (Rumania)

Autom. & Inf. Ind. (France) (no.0 Oct. 1971—)
Coden: AQIIA8
Automatique & Informatique Industrielles Merged with Electron. & Appl. Ind. (France) to form Electron. Ind. (France)

†**Autom. & Remote Control (USA)** (no.9 Sept. 1969—)
Coden: AURCAT ISSN 0005-1179
Automation and Remote Control [Translation of: *Avtom. & Telemekh. (USSR)*] Consultants Bureau, 233 Spring Street, New York, NY 10013, USA

Autom. & Strum. (Italy) (1968—)
Coden: ATSZAS ISSN 0005-1284
Automazione e Strumentazione Associazione Nazionale Italiana per l'Automazione, Via Le Premuda 2, 21029 Milano, Italy

†**Autom. Control & Comput. Sci. (USA)** (vol.10, no.1 1976—)
Coden: ACCSCE ISSN 0146-4116
Automatic Control and Computer Sciences [Translation of: *Avtom. & Vychisl. Tekh. (USSR)*] Allerton Press Inc., 150 Fifth Avenue, New York, NY 10011, USA

Autom. Control Theory & Appl. (Canada) (vol.1, no.1 Jan. 1972—)
Coden: ACTACB ISSN 0315-8934
Automatic Control Theory and Applications Title changed to: Control & Comput. (Canada)

Autom. Data Process. Inf. Bull. (Belgium) (no.24 1978—)
Coden: ADPBD2 ISSN 0379-0258
Automatic Data Processing Information Bulletin International Social Security Association, Data Processing Consultative Service, Boulevard de l'Empereur 7, B-1000 Brussels, Belgium

Autom. Elec. Tech. J. (USA) (1968—)
Coden: AETJAG
Automatic Electric Technical Journal Title changed to: GTE Autom. Electr. Tech. J. (USA)

Autom. Mach. (USA) (vol.33, no.2 Dec. 1971—)
Coden: AUMAAW ISSN 0005-1071
Automatic Machining Screw Machine Publishing Co. Inc., 65 Broad Street, Rochester, NY 14614, USA

Autom. Monit. & Meas. (GB) (no.2 March-April 1974—)
Coden: AUMMC2 ISSN 0005-1292
Automatic Monitoring and Measuring [Translation of: *Avtometriya (USSR)*] Scientific Information Consultants Ltd., 661 Finchley Road, London NW2 2HN, England

Autom. Syst. Rizeni (Czechoslovakia) (vol.9, no.1 1975—)
Coden: ASRID2 ISSN 0323-1410
Automatizovane Systemy Rizeni - Bulletin INORGA Formerly: Inorga (Czechoslovakia) Title changed to: ASR - Bull. INORGA (Czechoslovakia)

Autom. Weld. (GB) (1968—)
Coden: AUWEAQ ISSN 0005-108X
Automatic Welding [Translation of: *Avtom. Svarka (USSR)*] Welding Institute, Abington Hall, Abington, Cambridge CB1 6AL, England

†**Automatica (GB)** (1968—)
Coden: ATCAA9 ISSN 0005-1098
Automatica Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Automatie (Netherlands) (1968—)
Coden: AUTOA7 ISSN 0005-1128
Automatie Breedenbroekseweg 8A, 7083 AT Voorst, Netherlands

Automatik (Germany) (1968—)
Coden: ATMKAL
Automatik Incorporates Automatisierung (Germany). Now incorporated in Mess. & Pruef. (Germany)

Automatika (Yugoslavia) (1968—)
Coden: ATKAAF ISSN 0005-1144
Automatika Zagreb, Unska Ulica br.17, Postanski Pretinac 123, Yugoslavia

Automation (GB) (vol.3, no.11 Nov. 1968—)
Coden: ATMNBV ISSN 0005-1152
Automation United Trade Press, 33-39 Bowling Green Lane, London EC1R 0DA, England

Automation (USA) (1968—)
Coden: ATMNAU
Automation Title changed to: Prod. Eng. (USA)

Automatisierung (Germany) (1968—)
Coden: AUTOB8
Automatisierung Incorporated with Automatik (Germany)

Automatisme (France) (1968—)
Coden: AUMTAL
Automatisme Title changed to: Nouv. Autom. (France)

Automatizace (Czechoslovakia) (1968—)
Coden: AUTMAZ ISSN 0005-125X
Automatizace SNTL, 11302 Praha 1, Spalena ul. 51, Czechoslovakia

Automedica (GB) (vol.1, no.2 1974—)
Coden: AUMDC9 ISSN 0095-0963
Automedica Gordon and Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England

Automot. Eng. (USA) (vol.86, no.5 May 1978—)
Coden: AUEGBB ISSN 0098-2571
Automotive Engineering Society of Automotive Engineers Inc., 400 Commonwealth Drive, Warrendale, PA 15096, USA

†**Autophon Bull. (Switzerland)** (no.20—)
Coden: AUBUD6
Autophon Bulletin Autophon AG, Ziegelmattstrasse 1-15, CH-4500 Solothurn, Switzerland

Avh. Nor. Vidensk.-Akad. Oslo I (Norway) (1968—)
Coden: AUNVAW ISSN 0549-7019
Avhandlingar utgitt av det Norske Videnskaps-Akademi i Oslo, I. Mathematisk-Naturvidenskaplige Klasse Faculty of Mathematics and Science, University of Oslo, Blindern per Oslo, Norway

Aviat. Rev. (GB) (no.25 Sept. 1970—)
Coden: AVRVBQ
Aviation Review Title changed to: Aerosp. & Def. Rev. (GB)

†**Avtom. & Telemekh. (USSR)** (1968—)
Coden: AVTEAI ISSN 0005-2310
Avtomatika i Telemekhanika Akademiya Nauk SSSR, Leninskii Prosp. 14, Moskva, USSR [English translation in: *Autom. & Remote Control (USA)*]

Avtom. & Vychisl. Tekh. (USSR) (1968—)
Coden: AVYTAK ISSN 0132-4160
Avtomatika i Vychislitel'naya Tekhnika Academy of Sciences of Latvian SSR, Riga, USSR [English translation in: *Autom. Control & Comput. Sci. (USA)*]

Avtom. Svarka (USSR) (vol.21, no.2 Feb. 1968—)
Coden: AVSVAU ISSN 0005-111X
Avtomaticheskaya Svarka Ukrainian SSR Academy of Sciences, Arc Welding Institute, Kiev, USSR [English translation in: *Autom. Weld. (GB)*]

Avtom. Telemekh. & Svyaz (USSR) (1968—)
Coden: ATSVAG ISSN 0005-2329
Avtomatika, Telemekhanika, Svyaz' Editorial address: 107078, Moskva, B-78, Krasnovorotskii Proezd, D. 3B, USSR

Avtomatika (USSR) (1968—)
Coden: AVTMA8 ISSN 0038-5328
Avtomatika Institution of Cybernetics, 102 Brest-Litovskii Prosp., Kiev 57, USSR [English translation in: *Sov. Autom. Control (USA)*]

Avtometriya (USSR) (1968—)
Coden: AVMEBI ISSN 0320-7102
Avtometriya Izdatel'stvo Nauka, Sibirskoe Otdelenie, 630099, Novosibirsk 99, Sovetskaya 18, USSR [English translation in: *Autom. Monit. & Meas. (GB)*]

Banaras Hindu Univ. J. Sci. Res.
See: J. Sci. Res. Banaras Hindu Univ. (India)

Bangladesh J. Sci. & Ind. Res. (vol.8, no.1-4 Jan.-Oct. 1973—)
Coden: BJSIBL ISSN 0304-9809
Bangladesh Journal of Scientific and Industrial Research Formerly: Sci. Res. (Bangladesh)
Bangladesh Council of Scientific and Industrial Research, Dacca, Bangladesh

Bank Mark. (USA) (1983—)
Bank Marketing Bank Marketing Association, 309 West Washington Street, Chicago, IL 60606, USA

Bank Syst. & Equip. (USA) (vol.19, no.1 Jan. 1982—)
Coden: BSEQD6 ISSN 0146-0900
Bank Systems & Equipment Gralla Publications, 1515 Broadway, New York, NY 10036, USA

Bankers' Mag. (GB) (vol.227, no.1671 June 1983—)
ISSN 0005-5441
Bankers' Magazine Merged with J. Inst. Bankers (GB) to form Banking World (GB)

Banking World (GB) (vol.1, no.1 July 1983—)
ISSN 0737-6413
Banking World Institute of Bankers, 10 Lombard Street, London EC3V 9AS, England. Formed by merger of J. Inst. Bankers (GB) and Bankers' Mag. (GB)

Bauelem. Elektrotech. (Germany) (vol.3, no.19 Dec. 1968—)
Coden: BEETAG
Bauelemente der Elektrotechnik Title changed to: Elektron. Entwickl. (Germany)

†**BBC Nachr. (Germany)** (1968—)
Coden: BBCNAZ ISSN 0005-2825
BBC Nachrichten Brown Boveri & Cie, Aktiengesellschaft, 6800 Mannheim 1, Postfach 351, Germany

Beck Isoliertech. (Germany) (no.45 Feb. 1971—)
Coden: BITKAO ISSN 0374-2695
Beck Isoliertechnik Beck Elektro-Isoliersysteme, 200 Hamburg 28, Postfach 280 180, Grossmannstrasse 105, Germany

†**Behav. & Inf. Technol. (GB)** (vol.1, no.1 Jan.-March 1983—)
Coden: BEITD5 ISSN 0144-929X
Behaviour and Information Technology Taylor & Francis Ltd., 4 John Street, London WC1N 2ET, England

Behav. & Soc. Sci. Libr. (USA) (vol.2, no.2-3 1981-1982—)
Coden: BSSLDR ISSN 0163-9269
Behavioral & Social Sciences Librarian Haworth Press Inc., 28 East 22 Street, New York, NY 10010, USA

Behav. Res. Methods & Instrum. (USA) (vol.5, no.1 Jan. 1973—)
Coden: BRMIAC ISSN 0005-7878
Behavior Research Methods and Instrumentation Psychonomic Society Inc., 1108 West 34th Street, Austin, TX 78705, USA

Behav. Sci. (USA) (vol.17, no.1 Jan. 1972—)
Coden: BEHSAS ISSN 0005-7940
Behavioral Science Systems Science Publications, University of Louisville, Louisville, KY 40208, USA

Beitr. Phys. Atmos.
See: Contrib. Atmos. Phys. (Germany)

Beitr. Phys. Atmos. (Germany) (vol.41, no.2 1968—)
Coden: BPYAAY
Beitrage zur Physik der Atmosphare Title changed to: Contrib. Atmos. Phys. (Germany)

†**Beitr. Plasma Phys. (Germany)** (1968—)
Coden: BPPHAA ISSN 0005-8025
Beitrage aus der Plasma Physik Akademie-Verlag, 108 Berlin, Leipzigerstrasse 3-4, Germany

Belgelectro-Export (Belgium) (no.21 March 1969—)
Coden: BEEXAS ISSN 0522-7356
Belgelectro-Export 21 rue des Drapiers, 1050 Bruxelles, Belgium

Bell J. Econ. & Manage. Sci. (USA) (vol.6, no.1 Spring 1975—)
Coden: BJEMAU
Bell Journal of Economics and Management Science Title changed to: Bell J. Econ. (USA)

Bell J. Econ. (USA) (vol.6, no.2 Autumn 1975—)
Coden: BJECD3 ISSN 0361-915X
Bell Journal of Economics Formerly: Bell J. Econ. & Manage. Sci. (USA)
American Telephone and Telegraph Co., 195 Broadway, Room C 1800, New York, NY 10007, USA

Bell Lab. Rec. (USA) (1968—)
Coden: BLRCAB ISSN 0005-8564
Bell Laboratories Record Title changed to: Rec. AT&T Bell Lab. (USA)

†**Bell Syst. Tech. J. (USA)** (1968—)
Coden: BSTJAN ISSN 0005-8580
Bell System Technical Journal American Telephone and Telegraph Co., 600 Mountain Avenue, Murray Hill, NJ 07974, USA

Ber. Bunsenges. Phys. Chem. (Germany) (1968—)
Coden: BBPCAX ISSN 0005-9021
Berichte der Bunsengesellschaft fur Physikalische Chemie Verlag Chemie, 694 Weinheim/Bergstrasse, Postfach 1260/1280, Germany

Ber. Dtsch. Keram. Ges. (Germany) (vol.49, no.1 Jan. 1972—)
Coden: BDKGAY ISSN 0365-9542
Berichte der Deutschen Keramischen Gesellschaft Title changed to: CFI-Ceram. Forum Int. Ber. Dtsch. Keram. Ges. (Germany)

Berg- & Huettenmaenn. Monatsh. (Austria) (vol.124, no.1 Jan. 1979—)
Coden: BHMMAM ISSN 0005-8912
Berg- und Huttenmannische Monatshefte Springer-Verlag, A-1011 Wien, Molkerbastei 5, Postfach 367, Austria

Beskontaktn. Elektr. Mash. (USSR) (no.19 1980—)
Coden: BEEMBU ISSN 0320-6351
Beskontaktnye Elektricheskie Mashiny Izdatel'stvo 'Zinatne', Riga, USSR

Best's Rev. Life/Health Insur. Ed. (USA) (vol.82, no.12 April 1982—)
Coden: BRLHB5 ISSN 0005-9706
Best's Review - Life/Health Insurance Edition A.M. Best Co. Inc., Columbia Turnpike, Box 232, Rensselaer, NY 12144, USA

Best's Rev. Prop./Casualty Insur. Ed. (USA) (vol.82, no.12 April 1982—)
Coden: BRPIDU ISSN 0161-7745
Best's Review - Property/Casualty Insurance Edition A.M. Best Co. Inc., Columbia Turnpike, Box 232, Rensselaer, NY 12144, USA

Better Buys Bus. (GB) (March-April 1983—)
ISSN 0140-1564
Better Buys for Business Managing Your Business Ltd., 7 Cromwell Road, London SW7 2HR, England. Incorporated with What Buy Bus. (GB)

Bio-Med. Eng. (GB) (1968—)
Coden: BIMEB6
Bio-Medical Engineering Title changed to: J. Med. Eng. & Technol. (GB)

Bioelectromagnetics (USA) (vol.3, no.1 1982—)
Coden: BLCTDO ISSN 0197-8462
Bioelectromagnetics Alan R. Liss Inc., 150 Fifth Avenue, New York, NY 10011, USA

Biofeedback & Self-Regul. (USA) (vol.4, no.1 March 1979—)
Coden: BSELDP ISSN 0363-3586
Biofeedback and Self-Regulation Plenum Publishing Corp., 227 West 17th Street, New York, NY 10011, USA

Biofizika (USSR) (vol.18, no.5 1973—)
Coden: BIOFAI ISSN 0006-3029
Biofizika Izdatel'stvo 'Nauka', Moskva, USSR [English translation in: *Biophysics (GB)*]

†**Biol. Cybern. (Germany)** (vol.17, no.1 1975—)
Coden: BICYAF ISSN 0340-1200
Biological Cybernetics Formerly: Kybernetik (Germany)
Springer-Verlag, D-1000 Berlin 33, Heidelberger Platz 3, Germany

Biomass (GB) (vol.2, no.1 Jan. 1982—)
Coden: BIOME9 ISSN 0144-4565
Biomass Applied Science Publishers Ltd., Ripple Road, Barking, Essex, England

Biomater. Med. Devices & Artif. Organs (USA) (vol.3, no.1 1975—)
Coden: BMDOAI ISSN 0090-5488
Biomaterials, Medical Devices, and Artificial Organs Marcel Dekker Inc., 270 Madison Avenue, New York, NY 10016, USA

Biomaterials (GB) (vol.1, no.1 Jan. 1980—)
Coden: BIMADU ISSN 0142-9612
Biomaterials Butterworth Scientific Ltd., Journals Division, P.O.Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England

Biomed. Eng. (USA) (vol.6, no.1 Jan.-Feb. 1972—)
Coden: BIOEAF ISSN 0006-3398
Biomedical Engineering [Translation of: *Med. Tekh. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA

Biomed. Tech. (Germany) (vol.16, no.1 Feb. 1971—)
Coden: BMZTA7 ISSN 0013-5585
Biomedizinische Technik (Biomedical Engineering) Formerly: Elektro Med. Biomed. & Tech. (Germany)
Fachverlag Schiele & Schon GmbH, D-1000 Berlin 61, Markgrafenstrasse 11, Germany. Georg Thieme Verlag, 7 Stuttgart 1, Postfach 732, Herdweg 63, Germany

Biometrics (USA) (vol.38, no.2 June 1982—)
Coden: BIOMB6 ISSN 0006-341X
Biometrics Biometric Society, 806 15th Street NW, Suite 621, Washington, DC 20005, USA

Biometrika (GB) (vol.64, no.1 April 1977—)
Coden: BIOKAX ISSN 0006-3444
Biometrika Biometrika Trust, Biometrika Office, University College London, Gower Street, London, WC1E 6BT, England

Bionika (USSR) (no.6 1972—)
Coden: BNKABJ ISSN 0374-6569
Bionika Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR

Biophys. J. (USA) (vol.14, no.2 10 Feb. 1974—)
Coden: BIOJAU ISSN 0006-3495
Biophysical Journal Rockefeller University Press, 1230 York Avenue, New York, NY 10021, USA

Biophys. Struct. & Mech. (Germany) (vol.1, no.1 1974—)
Coden: BSMHBH ISSN 0340-1057
Biophysics of Structure and Mechanism Springer-Verlag, D-1000 Berlin 33, Heidelberger Platz 3, Germany

Biophysics (GB) (vol.17, no.6 1972—)
Coden: BIOPAE ISSN 0006-3509
Biophysics [Translation of: *Biofizika (USSR)*] Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Biophysik (Germany) (vol.8, no.3 1972—)
Coden: BPYKAU
Biophysik Title changed to: Radiat. & Environ. Biophys. (Germany)

Biorheology (GB) (vol.15, no.1 1978—)
Coden: BRHLAU ISSN 0006-355X
Biorheology Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Biotelem. & Patient Monit. (Switzerland) (vol.5, no.1 1978—)
Coden: BPMODJ ISSN 0378-309X
Biotelemetry and Patient Monitoring Formerly: Biotelemetry (Switzerland)
S. Karger AG, P.O.Box, CH-4009 Basel, Switzerland

Biotelemetry (Switzerland) (vol.1, no.1 1974—)
Coden: BTMYA6
Biotelemetry Title changed to: Biotelem. & Patient Monit. (Switzerland)

Birla Inst. Technol. & Sci. J.
See: J. Birla Inst. Technol. & Sci. (India)

†**BIT (Sweden)** (vol.8, no.1 1968—)
Coden: NBITAB ISSN 0006-3835
BIT (Nordisk Tidskrift for Informationsbehandling) Institutionen for Informationsbehandling, Lunds Universitet, Solvegatan 14A, S-22362 Lund, Sweden

BKSTS J. (GB) (vol.56, no.1 Jan. 1974—)
Coden: BKSTBR ISSN 0305-6996
BKSTS Journal Formerly: Br. Kinematogr. Sound & Telev. (GB)
British Kinematography Sound and Television Society, 110/112 Victoria House, Vernon Place, London, WC1B 3DJ, England

BLL Rev. (GB) (vol.1, no.1 July 1973—)
Coden: BLLRAQ
BLL Review Formerly: NLL Rev. (GB) Title changed to: Interlending Rev. (GB)

BMR J. Aust. Geol. & Geophys. (Australia) (vol.4, no.1 March 1979—)
Coden: BJAGDT ISSN 0312-9608
BMR Journal of Australian Geology & Geophysics Bureau of Mineral Resources, Geology & Geophysics, P.O. Box 378, Canberra, A.C.T. 2601, Australia

BOCAAD (Bull. Comput. Aided Archit. Des.) (GB) (no.4 May 1977—)
Coden: BBCDD8 ISSN 0264-4606
BOCAAD (Bulletin of Computer Aided Architectural Design) Editorial address: ABACUS, Department of Architecture and Building Science, University of Strathclyde, 131 Rottenrow, Glasgow G4 0NG, Scotland

Bol. Fac. Ing. & Agrimensura Montevideo (Uruguay) (1968—)
Coden: BFIAAK
Boletin de la Facultad de Ingenieria y Agrimensura de Montevideo Title changed to: Bol. Fac. Ing. Univ. Repub. (Uruguay)

Bol. Fac. Ing. Univ. Repub. (Uruguay) (vol.13, no.2 Dec. 1978—)
Coden: BFIRD6 ISSN 0027-013X
Boletin de la Facultad de Ingeneria Universidad de la Republica Formerly: Bol. Fac. Ing. & Agrimensura Montevideo (Uruguay)
Av. Julio Herrera y Reissig 565, Montevideo, Uruguay

Bol. Inst. Tonantzintla (Mexico) (Dec. 1973—)
Coden: BITOD5 ISSN 0303-7584
Boletin del Instituto de Tonantzintla Instituto Nacional de Astrofisica, Optica y Electronica, Apartados Postales Nos. 216 y 51, Puebla, Pue, Mexico

Boll. Geofis. Teor. & Appl. (Italy) (vol.11, no.43-44 Sept.-Dec. 1969—)
Coden: BGTAAE ISSN 0006-6729
Bollettino di Geofisica Teorica ed Applicada Osservatorio Geofisico Sperimentale, 34123 Trieste, Italy

Boll. Oceanol. Teor. & Appl. (Italy) (vol.1, no.1 Jan. 1983—)
Bollettino di Oceanologia Teorica ed Applicata Osservatorio Geofisico Sperimentale, C.P. 2011, 34016 Opicina (Trieste), Italy

Boll. Tec. PTT
See: Tech. Mitt. PTT (Switzerland)

Bosch Tech. Ber. (Germany) (vol.6, no.5-6 1979—)
Coden: BTBCBM ISSN 0006-789X
Bosch Technische Berichte Robert Bosch GmbH, Postfach 50, D-7000 Stuttgart 1, Germany

Bose Res. Inst. Trans.
See: Trans. Bose Res. Inst. (India)

Boundary-Layer Meteorol. (Netherlands) (vol.1, no.1 March 1970—)
Coden: BLMEBR ISSN 0006-8314
Boundary-Layer Meteorology D. Reidel Publishing Co., P.O. Box 17, 3300 AA Dordrecht, Netherlands

BPICS Control (GB) (vol.9, no.5 Aug.-Sept. 1983—)
BPICS Control British Production and Inventory Control Society, 3 The Square, Sawbridgeworth, Herts, England

Br. Astron. Assoc. Circ. (GB) (no.616 9 April 1981—)
Coden: BAACDM ISSN 0264-4185
British Astronomical Association Circular Burlington House, Piccadilly, London W1V 0NL, England

Br. Astron. Assoc. J.
See: J. Br. Astron. Assoc. (GB)

Br. Ceram. Soc. Proc.
See: Proc. Br. Ceram. Soc. (GB)

Br. Ceram. Soc. Trans. & J.
See: Trans. & J. Br. Ceram. Soc. (GB)

Br. Corros. J. (GB) (1968—)
Coden: BCRJA3 ISSN 0007-0599
British Corrosion Journal Metals Society, 1 Carlton House Terrace, London, SW1Y 5DB, England

Br. Interplanet. Soc. J.
See: J. Br. Interplanet. Soc. (GB)

Br. J. Appl. Phys. (J. Phys. D) (GB) (1968—)
Coden: JPDBAK
British Journal of Applied Physics (Journal of Physics D) Title changed to: J. Phys. D (GB)

Br. J. Clin. Equip. (GB) (vol.5, no.5 July 1980—)
Coden: BJCEDX
British Journal of Clinical Equipment Title changed to: Br. J. Hosp. Med. (GB)

Br. J. Hist. Sci. (GB) (vol.8, pt.1, no.25 March 1974—)
Coden: BJHSAT ISSN 0007-0874
British Journal for the History of Science British Society for the History of Science, 47 Belgrave Square, London, SW1 8QX, England

Br. J. Hosp. Med. (GB) (vol.25, no.1 Jan. 1981—)
Coden: BJHMAB ISSN 0007-1064
British Journal of Hospital Medicine Formerly: Br. J. Clin. Equip. (GB)
Northwood Publications Ltd., Theba House, 49-50 Hatton Garden, London EC1N 8XS, England

†**Br. J. Non-Destr. Test. (GB)** (vol.10, no.4 Dec. 1968—)
Coden: BJNTAS ISSN 0007-1137
British Journal of Non-Destructive Testing British Institute of Non-Destructive Testing, 1 Spencer Parade, Northampton NN1 5AA, England

Br. J. Philos. Sci.(GB) (vol.24, no.4 Dec. 1973—)
Coden: BJPIA5 ISSN 0007-0882
British Journal for the Philosophy of Science Cambridge University Press, Bentley House, 200 Euston Road, London, NW1 2DB, England

Br. J. Photogr. (GB) (vol.118, no.38 17 Sept. 1971—)
Coden: BRJFAM ISSN 0007-1196
British Journal of Photography Henry Greenwood & Co. Ltd., 28 Great James Street, London WC1N 3HL, England

Br. J. Radiol. (GB) (1968—)
Coden: BJRAAP ISSN 0007-1285
British Journal of Radiology British Institute of Radiology, 32 Welbeck Street, London, W1M 7PG, England

Br. Kinematogr. Sound & Telev. (GB) (1968—)
Coden: BKSTAQ
British Kinematography Sound and Television Title changed to: BKSTS J. (GB)

Br. Kinematogr. Sound & Telev. Soc. J.
See: BKSTS J. (GB)

Br. Polym. J. (GB) (vol.1, no.1 Jan. 1969—)
Coden: BPOJAB ISSN 0007-1641
British Polymer Journal Society of Chemical Industry, 14 Belgrave Square, London, SW1, England

Br. Soc. Rheol. Bull.
See: Bull. Br. Soc. Rheol. (GB)

Br. Telecom J. (GB) (vol.1, no.1 Spring 1980—)
Coden: BTJODW ISSN 0260-1532
British Telecom Journal Formerly: Post Off. Telecommun. J. (GB)
Post Office Central Headquarters, 23 Howland Street, London W1P 6HQ, England

†**Br. Telecommun. Eng. (GB)** (vol.1, pt.1 April 1982—)
Coden: BTEND4 ISSN 0262-401X
British Telecommunications Engineering Formerly: Post Off. Electr. Eng. J. (GB)
Institution of British Telecommunications Engineers, 2-12 Gresham Street, London EC2V 7AG, England

Brennst.-Waerme-Kraft (BWK) (Germany) (1968—)
Coden: BRWKAY ISSN 0006-9612
BWK. Brennstoff-Warme-Kraft VDI-Verlag, Postfach 1139, 4 Dusseldorf 1, Germany

Bretagne Soc. Sci. Bull.
See: Bull. Soc. Sci. Bretagne (France)

Broadcast Equip. Today (Canada) (Sept.-Oct. 1978—)
Coden: BETODB
Broadcast Equipment Today Title changed to: Broadcast Technol. (Canada)

Broadcast Technol. (Canada) (vol.5, no.1 Sept.-Oct. 1979—)
Coden: BRTED4 ISSN 0709-9797
Broadcast Technology Formerly: Broadcast Equip. Today (Canada)
Box 420, Bolton, Ont. L0P 1A0, Canada

Broadcast Tripodium (GB) (no.1 1981—)
Coden: BRTRD9
Broadcast Tripodium Pye TVT Ltd., P.O.Box 41, Coldhams Lane, Cambridge CB1 3JU, England

Broadcast. Syst. & Oper. (GB) (vol.2, no.8 Aug. 1979—)
Coden: BSOPDJ
Broadcasting Systems & Operation Title changed to: Int. Broadcast. Syst. & Oper. (GB)

Brown Boveri & Cie Nachr.
See: BBC Nachr. (Germany)

†**Brown Boveri Rev. (Switzerland)** (1968—)
Coden: BRBOA9 ISSN 0007-2486
Brown Boveri Review Brown Boveri, CH-5401 Baden, Switzerland

Bruel & Kjaer Tech. Rev. (Denmark) (no.3 1969—)
Coden: BKTRAP ISSN 0007-2621
Bruel and Kjaer Technical Review Bruel & Kjaer, DK-2850 Naerum, Denmark

†**Budavox Telecommun. Rev. (Hungary)** (no.3-4 1968—)
Coden: BUTRAR ISSN 0007-2907
Budavox Telecommunication Review Budavox Telecommunication Foreign Trading Co. Ltd., H-1392 Budapest, P.O. Box 267, Hungary

Buerotech. + Organ. (Germany) (vol.18, no.9 Sept. 1970—)
Coden: BUOGA3
Burotechnik + Organisation Title changed to: Buerotech. Autom. & Organ. (Germany)

Buerotech. Autom. & Organ. (Germany) (vol.20, no.1 Jan. 1972—)
Coden: BUOGA3
Burotechnik Automation & Organisation Formerly: Buerotech. + Organ. (Germany) Title changed to: Buerotechnik (Germany)

Buerotechnik (Germany) (vol.24, no.2 Feb. 1976—)
Coden: BUERDN
Burotechnik Formerly: Buerotech. Autom. & Organ. (Germany) Title changed to: Off. Manage. (Germany)

Build. Serv. & Environ. Eng. (GB) (vol.1, no.1 Sept. 1978—)
Coden: BSENDV ISSN 0142-310X
Building Services & Environmental Engineer Batiste Publications Ltd., Pembroke House, Campsbourne Road, Hornsey, London N8, England

Build. Serv. Eng. (GB) (vol.39 Dec. 1971—)
Coden: BSVEAI
Building Services Engineer Formerly: IHVE J. (GB). Merged with Light & Light. & Environ. Des. (GB) to form J. Chart. Inst. Build. Serv. (GB)

Build. Serv. Eng. Res. & Technol. (GB) (vol.1, no.1 1980—)
Coden: BSETDF ISSN 0143-6244
Building Services Engineering Research & Technology Chartered Institution of Building Services, 222 Balham High Road, London SW12 9BS, England

Building (GB) (vol.222, no.6719 3 March 1972—)
Coden: BULDBE ISSN 0007-3318
Building Building (Publishers) Ltd., Builder House, P.O. Box 87, 1-3 Pemberton Row, Red Lion Court, Fleet Street, London EC4p 4HL, England

Bul. Inst. Politeh. 'Gheorghe Gheorghiu-Dej' Bucuresti (Rumania) (1968—)
Coden: BIGBAY
Buletinul Institutului Politehnic 'Gheorghe Gheorghiu-Dej' Bucuresti Journal split into three series: Bul. Inst. Politeh. 'Gheorghe Gheorghiu-Dej' Bucuresti Ser. Chim. - Metal., Ser. Electroteh. and Ser. Mec. (Rumania)

Bul. Inst. Politeh. 'Gheorghe Gheorghiu-Dej' Bucuresti Ser. Chim.-Metal. (Rumania) (vol.39, no.1 Jan.-March 1977—)
Coden: BPGCDL ISSN 0378-9616
Buletinul Institutului Politehnic 'Gheorghe Gheorghiu-Dej' Bucuresti, Seria Chimie-Metalurgie Spaiul Independentei nr. 313, Casuta Postala nr. 2356, Bucuresti, Rumania. Supersedes in part: Bul. Inst. Politeh. 'Gheorghe Gheorghiu-Dej' Bucuresti (Rumania)

Bul. Inst. Politeh. 'Gheorghe Gheorghiu-Dej' Bucuresti Ser. Electroteh. (Rumania) (vol.39, no.1 Jan.-March 1977—)
Coden: BIPEDN
Buletinul Institutului Politehnic 'Gheorghe Gheorghiu-Dej' Bucuresti, Seria Electrotehnica Spaiul Independentei nr. 313, Casuta Postala nr. 2356, Bucuresti, Rumania. Supersedes in part: Bul. Inst. Politeh. 'Gheorghe Gheorghiu-Dej' Bucuresti (Rumania)

Bul. Inst. Politeh. 'Gheorghe Gheorghiu-Dej' Bucuresti Ser. Mec. (Rumania) (vol.39, no.1 Jan.-March 1977—)
Coden: BPGMDH
Buletinul Institutului Politehnic 'Gheorghe Gheorghiu-Dej' Bucuresti, Seria Mecanica Spaiul Independentei nr. 313, Casuta Postala nr. 2356, Bucuresti, Rumania. Supersedes in part: Bul. Inst. Politeh. 'Gheorghe Gheorghiu-Dej' Bucuresti (Rumania)

Bul. Inst. Politeh. Iasi Sect. I (Rumania) (1968—)
Coden: BMTFA3 ISSN 0304-5188
Buletinul Institutului Politehnic din Iasi. Sectia I Matematica, Mecanica, Teoretica, Fizica Polytechnic Institute, Iasi, Rumania

Bul. Inst. Politeh. Iasi Sect. III (Rumania) (vol.15, no.1-2 1969—)
Coden: BUPIAE
Buletinul Institutului Politehnic din Iasi. Sectia III Electrotehnica, Electronica, Automatizari Institutul Politehnic Iasi, Iasi, Rumania

Bul. Inst. Stud. & Proiect. Energ. (Rumania) (vol.11, no.3 1968—)
Coden: ISPBAM ISSN 0374-4841
Buletinul Institutului de Studii si Proiectari Energetice Institutului de Studii si Projectari Energetice, Bucuresti, Bd. Lacul Tei nr 1, Sectorul II, Rumania

Bul. Stiint. & Teh. Inst. Politeh. 'Traian Vuia' Timisoara Ser. Chim. (Rumania) (vol.23, no.1 Jan.-June 1978—)
Coden: BTICBN ISSN 0366-3701
Buletinul Stiintific si Tehnic al Institutului Politehnic 'Traian Vuia' Timisoara, Seria Chimie Timisoara, Rumania

Bul. Stiint. & Teh. Inst. Politeh. 'Traian Vuia' Timisoara Ser. Electroteh. (Rumania) (vol.23, no.1 Jan.-June 1978—)
Coden: BTIEBT ISSN 0373-4382
Buletinul Stiintific si Tehnic al Institutului Politehnic 'Traian Vuia' Timisoara, Seria Electrotehnica Timisoara, Rumania

Bul. Univ. Brasov Ser. A (Rumania) (vol.23 1981—)
Coden: BUSAD8
Buletinul Universitatii din Brasov, Seria A (Mecanica Aplicata Constructii de Masini) Brasov, Rumania

Bulg. Acad. Sci. Commun. Dep. Chem. (Bulgaria) (vol.2, no.3 1969—)
Coden: BADCAY
Bulgarian Academy of Sciences, Communications of the Department of Chemistry Title changed to: Izv. Otd. Khim. Nauki Bulg. Akad. Nauk. (Bulgaria)

Bulg. J. Phys. (Bulgaria) (vol.1, no.1 1974—)
Coden: BJPHD5 ISSN 0323-9217
Bulgarian Journal of Physics Bulgarian Academy of Sciences, Faculty of Physics, 5 Anton Ivanov Blvd., 1126 Sofia, Bulgaria. Incorporates Izv. Fiz. Inst. ANEB (Bulgaria) and Izv. Inst. Elektron. (Bulgaria)

Bull. Acad. Pol. Sci. Ser. Sci. Math. Astron. & Phys. (Poland) (1968—)
Coden: BAPMAM
Bulletin de l'Academie Polonaise des Sciences. Serie des Sciences Mathematiques, Astronomiques et Physiques Title changed to: Bull. Acad. Pol. Sci. Ser. Sci. Phys. & Astron. (Poland)

Bull. Acad. Pol. Sci. Ser. Sci. Phys. & Astron. (Poland) (vol.27, no.1 1979—)
Coden: BAPADN ISSN 0137-6403
Bulletin de l'Academie Polonaise des Sciences, Serie des Sciences Physiques et Astronomiques Formerly: Bull. Acad. Pol. Sci. Ser. Sci. Math. Astron. & Phys. (Poland)
Polska Akademia Nauk, 00-091 Warszawa, Palac Kultury i Nauki, P.O.Box 20, Poland

Bull. Acad. Pol. Sci. Ser. Sci. Tech. (Poland) (1968—)
Coden: BAPTA9 ISSN 0001-4125
Bulletin de l'Academie Polonaise des Sciences. Serie des Sciences Techniques 00-901 Warszawa, Palac Kultury i Nauki, P.O. Box 20, Poland

†**Bull. Acad. Sci. USSR, Phys. Ser. (USA)** (1968—)
Coden: BUPSAA ISSN 0001-432X
Bulletin of the Academy of Sciences of the USSR, Physical Series [Translation of: *Izv. Akad. Nauk SSSR Ser. Fiz.*] Allerton Press Inc., 150 Fifth Avenue, New York, NY 10011, USA

Bull. Acad. Sci. USSR. Atmos. & Oceanic Phys. Ser. (USA) (1968—)
Coden: BSUAAZ
Bulletin of the Academy of Sciences of the USSR, Atmospheric and Oceanic Physics Title changed to: Izv. Acad. Sci. USSR Atmos. & Oceanic Phys. (USA)

Bull. Acad. Serbe Sci. & Arts Cl. Sci. Tech. (Yugoslavia) (no.12 1977—)
Coden: BASTDR ISSN 0490-642X
Bulletin de l'Academie Serbe des Sciences et des Arts, Classe des Sciences Techniques 35 Knez-Mihailova, 11000 Beograd, Yugoslavia

Bull. Aichi Inst. Technol. (Japan) (1983—)
Coden: AKDHD9 ISSN 0387-0812
Bulletin of the Aichi Institute of Technology 1247 Yachigusa, Yakusa-cho, Toyota, Aichi 470-03, Japan

Bull. Am. Assoc. Variable Star Obs. (USA) (no.44 1981—)
Coden: BAAODO
Bulletin of the American Association of Variable Star Observers 187 Concord Avenue, Cambridge, MA 02138, USA

Bull. Am. Astron. Soc. (USA) (vol.1, no.1 1969—)
Coden: AASBAR ISSN 0002-7537
Bulletin of the American Astronomical Society American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

Bull. Am. Meteorol. Soc. (USA) (1968—)
Coden: BAMIAT ISSN 0003-0007
Bulletin of the American Meteorological Society 45 Beacon Street, Boston, MA 02108, USA

Bull. Am. Soc. Inf. Sci. (USA) (vol.7, no.3 Feb. 1981—)
Coden: BASICR ISSN 0095-4403
Bulletin of the American Society for Information Science 1010 Sixteenth Street, N.W., Washington, DC 20036, USA

Bull. Ann. Soc. Suisse Chronom. & Lab. Suisse Rech. Horlogeres (Switzerland) (vol.9 1980—)
ISSN 0366-3124
Bulletin Annuel de la Societe Suisse de Chronometrie et du Laboratoire Suisse de Recherche Horlogeres Laboratoire Suisse de Recherches Horlogeres, 2 rue A.-L. Breguet, CH-2000 Neuchatel, Switzerland

Bull. Annu. Soc. Suisse Chronom. (Switzerland) (vol.11 1982—)
Bulletin Annuel Societe Suisse de Chronometrie Laboratoire Suisse de Recherches Horologeres (LSRH), Rue A.-L. Breguet 2, 2000 Neuchatel 7, Switzerland

Bull. Assoc. Suisse Electr. (Switzerland) (1968—)
Coden: BUSEAH ISSN 0036-1321
Bulletin de l'Association Suisse des Electriciens (Organe Commun de l'Association Suisse des Electriciens (ASE) et de l'Union des Centrales Suisses d'Electricite (UCS)) Seefeldstrasse 301, Case Postale 229, 8008 Zurich, Switzerland

†**Bull. Astron. Inst. Czech. (Czechoslovakia)** (vol.22, no.1 1971—)
Coden: CABCAZ ISSN 0004-6248
Bulletin of the Astronomical Institutes of Czechoslovakia Academia, Publishing House of Czechoslovak Academy of Sciences, Vodickova 40, 112 29 Praha 1, Czechoslovakia

Bull. Astron. Soc. India (vol.5, no.1 March 1977—)
Coden: BANID3 ISSN 0304-9523
Bulletin of the Astronomical Society of India Tata Institute of Fundamental Research, Homi Bhabha Road, Bombay 400 005, India

Bull. Aust. Math. Soc. (Australia) (vol.7, no.1 1972—)
Coden: ALNBAB ISSN 0004-9727
Bulletin of the Australian Mathematical Society University of Queensland Press, St. Lucia, Queensland 4067, Australia

Bull. Br. Soc. Rheol. (GB) (1968—)
Coden: BBRHAO ISSN 0045-3145
Bulletin British Society of Rheology Properties of Fluids Division, National Engineering Laboratory, East Kilbride, Glasgow, Scotland

Bull. Coll. Eng. Hosei Univ. (Japan) (1983—)
Coden: HDKSAY ISSN 0441-2494
Bulletin of the College of Engineering, Hosei University 3-7-2 Kajino-cho, Koganei-shi, Tokyo 184, Japan

Bull. Coll. Sci. Univ. Ryukyus (Japan) (no.30 Sept. 1980—)
Coden: BCSRDZ ISSN 0286-9640
Bulletin of the College of Science, University of the Ryukyus Nakagusuku-son, Nakagami-gun, Okinawa, Japan

Bull. Comput. Aided Archit. Des.
See: BOCAAD (Bull. Comput. Aided Archit. Des.) (GB)

†**Bull. Crimean Astrophys. Obs. (USA)** (vol.59 1979—)
Coden: BCAOD4
Bulletin of the Crimean Astrophysical Observatory [Translation of: *Izv. Krym. Astrofiz. Obs. (USSR)*] Allerton Press Inc., 150 Fifth Avenue, New York, NY 10011, USA

Bull. Dir. Etud. & Rech. Ser. A (France) (no.1 1969—)
Coden: EFDNAX ISSN 0013-449X
Bulletin de la Direction des Etudes et Recherches, Serie A Electricite de France, Direction Des Etudes et Recherches, 2, rue Louis Murat, 75008 Paris, France

†**Bull. Dir. Etud. & Rech. Ser. B (France)** (no.1 1969—)
Coden: EFDBAV ISSN 0013-4503
Bulletin de la Direction des Etudes et Recherches, Serie B Electricite de France, Direction des Etudes et Recherches, 2, rue Louis Murat, 75008 Paris, France

Bull. Dir. Etud. & Rech. Ser. C (France) (no.1 1970—)
Coden: EDBCAA ISSN 0013-4511
Bulletin de la Direction des Etudes et Recherche, Serie C Electricite de France, Direction des Etudes et Recherches, 1 Avenue du General de Gaulle, 92140 Clamart, France

Bull. Earthquake Res. Inst. Univ. Tokyo (Japan) (vol.50, pt.1 March 1975—)
Coden: TDJKAZ ISSN 0040-8972
Bulletin of the Earthquake Research Institute, University of Tokyo 1-1 Yayoi 1-chome, Bunkyo-ku, Tokyo, Japan

Bull. EGU (Czechoslovakia) (1968—)
Coden: BEGUBU ISSN 0007-4594
Bulletin EGU Vyzkumny Ustav Energeticky, Partyzanska 7a, Praha 7 - Holesovice, Czechoslovakia

†**Bull. Electrotech. Lab. (Japan)** (1968—)
Coden: DESIA7 ISSN 0366-9092
Bulletin of the Electrotechnical Laboratory 2-6 Nagata-cho, Chiyoda-ku, Tokyo, Japan

Bull. Eur. Assoc. Theor. Comput. Sci. (Austria) (no.14 June 1981—)
Coden: BEASDU ISSN 0252-9742
Bulletin of the European Association for Theoretical Computer Science Department of Computer Science, Technical University Graz, Graz, Austria

Bull. Fac. Eng. Alfaatih Univ.
See: Alfaatih Univ. Bull. Fac. Eng. (Libya)

Bull. Fac. Eng. Hiroshima Univ. (Japan) (vol.18, no.2 March 1970—)
Coden: HIDKAA ISSN 0018-2060
Bulletin of the Faculty of Engineering Hiroshima University Hiroshima, Japan

Bull. Fac. Eng. Ibaraki Univ. (Japan) (vol.8 1969—)
Coden: IDKGA9 ISSN 0367-7362
Bulletin of the Faculty of Engineering, Ibaraki University Ibaraki, Japan

Bull. Fac. Eng. Miyazaki Univ. (Japan) (1983—)
Coden: MDKHAM
Bulletin of the Faculty of Engineering, Miyazaki University 1-1-1 Kirishima, Miyazaki-shi 880, Japan

Bull. Fac. Eng. Tokushima Univ. (Japan) (vol.7, no.1 Aug. 1970—)
Coden: BFETAN ISSN 0040-8883
Bulletin of Faculty of Engineering, Tokushima University Minami-Josanjima-cho, Tokushima, Japan

Bull. Fac. Eng. Yokohama Natl. Univ. (Japan) (1968—)
Coden: BFEYA4 ISSN 0513-2592
Bulletin of the Faculty of Engineering of Yokohama National University Ohka-machi, Minami-ku, Yokohama, Japan

Bull. Geod. (France) (no.93 1 Sept. 1969—)
Coden: BGDQAG ISSN 0007-4632
Bulletin Geodesique Bureau Central de l'Association Internationale de Geodesie, 39 Rue Guy-Lussac, 75005 Paris, France

Bull. Geophys. (Taiwan) (no.20 Sept. 1980—)
Coden: BGNTDA ISSN 0253-4800
Bulletin of Geophysics National Central University, Chung-Li, Taiwan, Republic of China

Bull. Gov. Ind. Res. Inst. Osaka (Japan) (1983—)
Coden: OKGKAE ISSN 0472-142X
Bulletin of the Government Industrial Research Institute, Osaka 8-31, Midorigaoka-1-chome, Ikeda, Osaka 563, Japan

Bull. Indian Natl. Sci. Acad. (no.45 1973—)
Coden: BIDNAL ISSN 0378-6242
Bulletin of the Indian National Science Academy Formerly: Bull. Natl. Inst. Sci. India
Bahadur Shar Zafar Marg, New Delhi 1, India

Bull. Inf. Centre Donnees Stellaires (France) (no.22 March 1982—)
Coden: BICSDY ISSN 0242-6536
Bulletin d'Information du Centre de Donnees Stellaires Observatoire de Strasbourg, 11 rue de l'Universite, 6700 Strasbourg, France

Bull. INORGA
See: ASR - Bull. INORGA (Czechoslovakia)

Bull. Inst. At. Energy Kyoto Univ. (Japan) (vol.59 March 1981—)
Coden: KDGEA5 ISSN 0368-5039
Bulletin of the Institute of Atomic Energy Kyoto University Kitashirakawa, Sakyo Ku, Kyoto, Japan

Bull. Inst. Chem. Res. Kyoto Univ. (Japan) (1968—)
Coden: BICRAS ISSN 0023-6071
Bulletin of the Institute for Chemical Research, Kyoto University Kyoto, Japan

Bull. Inst. Manage. Sci. (USA) (vol.1, no.4 June 1971—)
Coden: BMSCAN
Bulletin of the Institute of Management Sciences Title changed to: Interfaces (USA)

Bull. Inst. Space & Aeronaut. Sci. Univ. Tokyo A (Japan) (vol.6, no.2 April 1970—)
Coden: TDUHAD ISSN 0563-8100
Bulletin of the Institute of Space and Aeronautical Science, University of Tokyo A Tokyo, Japan

Bull. Inst. Space & Aeronaut. Sci. Univ. Tokyo B (Japan) (vol.10, no.1 March 1974—)
Coden: TKUHBT ISSN 0563-8100
Bulletin of the Institute of Space and Aeronautical Science, University of Tokyo B Tokyo, Japan

Bull. Int. Sect. ISSA Prev. Occup. Risks Electr. (Germany) (no.4 1976—)
Bulletin of the International Section of the ISSA for the Prevention of Occupational Risks due to Electricity Berufgenossenschaft der Feinmechanik und Elektrotechnik, D-5000 Koln 51, Oberlander Ufer 130, Germany

Bull. Isr. Phys. Soc. (Israel) (1971—)
Coden: BIPYBD ISSN 0374-2687
Bulletin of the Israel Physical Society Israel Physical Society, c/o Hebrew University, Jerusalem, Israel

Bull. Isr. Soc. Spec. Libr. & Inf. Cent. (Israel) (vol.3, no.3 April 1972—)
Coden: ISLBA2 ISSN 0021-2318
Bulletin Israel Society of Special Libraries and Information Centres P.O. Box 20125, Tel Aviv, Israel

Bull. Jpn. Soc. Precis. Eng. (Japan) (vol.3, no.4 Dec. 1969—)
Coden: BJPEAR ISSN 0582-4206
Bulletin of the Japan Society of Precision Engineering Ceramic Building, 22-17, 2-Chome, Hyakunincho, Shinjuku-ku, Tokyo, Japan

Bull. JSME (Japan) (1968—)
Coden: BJSEA8 ISSN 0021-3764
Bulletin of the Japan Society of Mechanical Engineers Sanshin Hokusei Building, 4-9, Yoyogi 2-Chome, Shibuya-Ku, Tokyo 151, Japan

Bull. Kyushu Inst. Technol. (Sci. & Technol.) (Japan) (no.23 June 1971—)
Coden: KKDKAN ISSN 0453-0357
Bulletin of the Kyushu Institute of Technology (Science and Technology) Tobata, Japan

Bull. Kyushu Inst. Technol. Math. Nat. Sci. (Japan) (1968—)
Coden: BKTMAA ISSN 0454-8221
Bulletin of the Kyushu Institute of Technology. Mathematics, Natural Science Tobato, Kitakyushu, Japan

Bull. Mater. Sci. (India) (vol.1, no.1 May 1979—)
Coden: BUMSDW ISSN 0250-6327
Bulletin of Materials Science Indian Academy of Sciences, P.B. No. 8005, Bangalore 560 080, India

Bull. Math. Biol. (GB) (vol.36, no.1 Feb. 1974—)
Coden: BMTBAP ISSN 0092-8240
Bulletin of Mathematical Biology Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Bull. Mech. Eng. Lab. (Japan) (no.1 1972—)
Coden: BMEGAX ISSN 0374-2725
Bulletin of Mechanical Engineering Laboratory 12-1 Igusa 4-chome, Suginami-ku, Tokyo, Japan

Bull. Med. Libr. Assoc. (USA) (vol.70, no.1 Jan. 1982—)
Coden: BMLAAG ISSN 0025-7338
Bulletin of the Medical Library Association 919 N. Michigan Avenue, Chicago, IL 60611, USA

Bull. Mineral. (France) (vol.102, no.2-3 1979—)
Coden: BULMD9 ISSN 0180-9210
Bulletin de Mineralogie Formerly: Bull. Soc. Fr. Mineral. & Crystallogr. (France)
Masson, 120 Boulevard Saint-Germain, 75280 Paris Cedex 06, France

Bull. Nagoya Inst. Technol. (Japan) (vol.19 1967—)
Coden: NADGA8 ISSN 0369-3171
Bulletin of Nagoya Institute of Technology Nagoya, Japan

Bull. Natl. Inst. Sci. India (1968—)
Coden: BNSIAE
Bulletin of the National Institute of Sciences of India Title changed to: Bull. Indian Natl. Sci. Acad.

Bull. NRLM (Japan) (1983—)
Coden: KKYHAH ISSN 0368-6051
Bulletin of NRLM National Research Laboratory of Metrology, AIST, 1-1-4 Umezono, Sakura-mura, Niihari-gun, Ibaraki 305, Japan

Bull. Oper. Res. Soc. Am. (USA) (1968—)
Coden: ORSBAS
Bulletin of the Operations Research Society of America Title changed to: TIMS/ORSA Bull. (USA)

Bull. Res. Inst. Appl. Electr. (Japan) (vol.20, no.1-2 June 1968—)
Coden: ODKIAD ISSN 0030-7726
Bulletin of the Research Institute of Applied Electricity The Research Institute of Applied Electricity, Hokkaido University, North 12 Street, West 6 Avenue, Kitaku, Sapporo City, Japan

Bull. Res. Inst. Electron. Shizuoka Univ. (Japan) (1983—)
Coden: SDDHDM
Bulletin of the Research Institute of Electronics, Shizuoka University 3-5-1 Johoku, Hamamatsu, Shizuoka 432, Japan

Bull. Res. Inst. Sci. Meas. Tohoku Univ. (Japan) (vol.21, no.1 1972—)
Coden: TDKKA6 ISSN 0040-8689
Bulletin of the Research Institute for Scientific Measurements, Tohoku University Sendai, Japan

Bull. Res. Lab. Nucl. React. (Japan) (vol.1 1976—)
Coden: BRLTD9 ISSN 0387-6144
Bulletin of the Research Laboratory for Nuclear Reactors Tokyo Institute of Technology Oh-okayana, Meguro-ku, Tokyo, Japan

Bull. Res. Lab. Precis. Mach. & Electron. (Japan) (no.37 March 1976—)
Coden: BLPTDL ISSN 0385-7832
Bulletin of Research Laboratory of Precision Machinery and Electronics Formerly: Bull. Tokyo Inst. Technol. (Japan)
Tokyo Institute of Technology, Nagatsuta, Midori-ku, Yokohama, Japan

Bull. Sci. Assoc. Ing. Electr. Inst. Electrotech. Montefiore (Belgium) (1968—)
Coden: BURMA2
Bulletin Scientifique de l'Association des Ingenieurs Electriciens sortis de l'Institut Electrotechnique Montefiore 31 Rue Saint Gilles, 4000 Liege, Belgium

Bull. Seismol. Soc. Am. (USA) (1968—)
Coden: BSSAAP ISSN 0037-1106
Bulletin of the Seismological Society of America Seismological Society of America, 2620 Telegraph Avenue, Berkeley, CA 94704, USA

Bull. Soc. Fr. Ceram. (France) (no.94 Jan.-March 1972—)
Coden: BFCEA2
Bulletin de la Societe Francaise de Ceramique Title changed to: Ind. Ceram. (France)

Bull. Soc. Fr. Mineral. & Crystallogr. (France) (1968—)
Coden: BUFCAE
Bulletin de la Societe Francaise de Mineralogie et de Cristallographie Title changed to: Bull. Mineral. (France)

Bull. Soc. Fr. Photogramm. & Teledetect. (France) (no.77 1980—)
Coden: BSFTDK ISSN 0244-6014
Bulletin Societe Francaise de Photogrammetrie et de Teledetection 2 Avenue Pasteur, 94160 Saint-Mande, France

Bull. Soc. R. Belge Electr. (Belgium) (1968—)
Coden: BSREAW
Bulletin de la Societe Royale Belge des Electriciens Merged with Rev. E (Belgium) to form SRBE-KBVE (Belgium)

Bull. Soc. R. Sci. Liege (Belgium) (1968—)
Coden: BSRSA6 ISSN 0037-9565
Bulletin de la Societe Royale des Sciences de Liege L'Universite, 15 Avenue des Tilleurs, Liege, Belgium

Bull. Soc. Sci. Bretagne (France) (vol.52, no.1-4 1977-1980—)
Coden: BSSBAS ISSN 0037-9581
Bulletin de la Societe Scientifique de Bretagne Universite de Rennes I, Campus Universitaire de Beaulieu, 35042 Rennes Cedex, France

Bull. Spec. Astrophys. Obs.-North Caucasus (USA) (vol.10 1978—)
Coden: BSACDC
Bulletin of the Special Astrophysical Observatory-North Caucasus [Translation of: *Astrofiz. Issled.-Izv. Spets. Astrofiz. Obs. (USSR)*] Allerton Press Inc., 150 Fifth Avenue, New York, NY 10011, USA

Bull. Tech. PTT
See: Tech. Mitt. PTT (Switzerland)

Bull. Tech. Univ. Istanbul (Turkey) (1968—)
Coden: ITEKAZ ISSN 0368-0355
Bulletin of the Technical University of Istanbul (Istanbul Teknik Universitesi Bulteni) Taskisla, Istanbul, Turkey

Bull. Tech. Vevey (Switzerland) (1968—)
Coden: BTVVA8 ISSN 0379-1270
Bulletin Technique Vevey Ateliers de Constructions Mecaniques de Vevey SA, Vevey, Switzerland

Bull. Tokyo Gakugei Univ. Ser. IV (Japan) (vol.21 July 1969—)
Coden: TGDSBH ISSN 0371-6813
Bulletin of Tokyo Gakugei University. Series IV (Mathematics and Natural Sciences) 4-1-1 Nukui-kita-machi, Koganei, Tokyo, Japan

Bull. Tokyo Inst. Technol. (Japan) (no.96 1970—)
Coden: BTITA5
Bulletin of Tokyo Institute of Technology Title changed to: Bull. Res. Lab. Precis. Mach. & Electron. (Japan)

Bull. Univ. Osaka Prefect. Ser. A (Japan) (vol.17, no.1 1968—)
Coden: BSKAAJ ISSN 0474-7844
Bulletin of University of Osaka Prefecture, Series A University of Osaka Prefecture, Mozu, Sakai, Osaka, Japan

Bull. Yamagata Univ. (Eng.) (Japan) (vol.10, no.2 March 1969—)
Coden: YDKKAR ISSN 0085-834X
Bulletin of the Yamagata University (Engineering) Yamagata, Japan

Bull. Yamagata Univ. (Nat. Sci.) (Japan) (vol.8, no.3 March 1974—)
Coden: BUYUAR ISSN 0513-4692
Bulletin of the Yamagata University (Natural Science) Yamagata, Japan

Bunko Kenkyu
See: J. Spectrosc. Soc. Jpn. (Japan)

Bur. Miner. Resour. J. Aust. Geol. & Geophys.
See: BMR J. Aust. Geol. & Geophys. (Australia)

Bus. Adm. (GB) (Nov. 1972—)
Coden: BUSAB6
Business Administration Title changed to: Chief Executive Mon. (GB)

Bus. Equip. Dig. (GB) (vol.23, no.4 April 1983—)
Coden: BEQDAS ISSN 0007-6708
Business Equipment Digest BED Business Journals Ltd., 44 Wallington Square, Wallington, Surrey SM6 8RG, England

Bus. Horizons (USA) (vol.26, no.4 July-Aug. 1983—)
ISSN 0007-6813
Business Horizons School of Business, Indiana University, Bloomington, IN 47405, USA

Bus. Inf. Technol. (GB) (no.2 Sept. 1981—)
Coden: BITED9 ISSN 0263-175X
Business Information Technology Business Publications Ltd., 109-119 Waterloo Road, London SE1 8UL, England

Bus. Mark. (USA) (Sept. 1983—)
ISSN 0745-5933
Business Marketing Formerly: Ind. Mark. (USA)
Crain Communications Inc., 740 Rush Street, Chicago, IL 60611, USA

Bus. Matters (GB) (vol.2, no.3 March 1980—)
Coden: BUSMDA ISSN 0143-3512
Business Matters ECC Publications, 30-31 Islington Green, London N1 8BJ, England

† indicates a journal abstracted completely

Bus. Q. (Canada) (vol.47, no.1 May 1982—)
Coden: BUQUAL ISSN 0007-6996
Business Quarterly School of Business Administration, University of Western Ontario, London, Ont. N6A 5B9, Canada

Bus. Syst. & Equip. (GB) (June 1972—)
Coden: BSEQA3 ISSN 0007-7097
Business Systems and Equipment Formerly: Bus. Syst. (GB)
Maclean-Hunter Ltd., 76 Oxford Street, London, W1, England

Bus. Syst. (GB) (Dec. 1971—)
Coden: BSSYBU
Business Systems (GB) Title changed to: Bus. Syst. & Equip. (GB)

Business (USA) (vol.31, no.6 Nov.-Dec. 1981—)
Coden: BUSIDW ISSN 0163-531X
Business College of Business Administration, Georgia State University, Univeristy Plaza, Atlanta, GA 30303, USA

†**BYTE (USA)** (vol.2, no.7 July 1977—)
Coden: BYTEDJ ISSN 0360-5280
BYTE BYTE Publications Inc., 70 Main Street, Peterborough, NH 03458, USA

Byull. Inst. Teor. Astron. Akad. Nauk SSSR (vol.12, no.9(142) 1971—)
Coden: BTASAU ISSN 0002-3302
Byulleten' Instituta Teoreticheskoi Astronomii Akademiya Nauk SSSR Leningradskoe Otdelenie Izdatelstva Nauka, Leningrad V-164, Mendeleevskaya Lin. D. 1, USSR

C.R. Acad. Bulg. Sci. (Bulgaria) (1968—)
Coden: CRABAA ISSN 0366-8681
Comptes Rendus de l'Academie Bulgare des Sciences Sofiya, Bulgaria

C.R. Hebd. Seances Acad. Sci. Ser. A (France) (1968—)
Coden: CHASAP
Comptes Rendus Hebdomadaires des Seances de l'Academie des Sciences, Serie A (Science Mathematiques) Title changed to: C.R. Seances Acad. Sci. Ser. I (France)

C.R. Hebd. Seances Acad. Sci. Ser. B (France) (1968—)
Coden: CHDBAN ISSN 0151-0509
Comptes Rendus Hebdomadaires des Seances de l'Academie des Sciences, Serie B (Sciences Physiques) Merged with C.R. Hebd. Seances Acad. Sci. Ser. C (France) to form C.R. Seances Acad. Sci. Ser. II (France)

C.R. Hebd. Seances Acad. Sci. Ser. C (France) (vol.270, no.1 5 Jan. 1970—)
Coden: CHDCAQ
Comptes Rendus Hebdomadaires des Seances de l'Academie des Sciences, Serie C (Sciences Chimiques) Merged with C.R. Hebd. Seances Acad. Sci. Ser. B (France) to form C.R. Seances Acad. Sci. Ser. II (France)

C.R. Seances Acad. Sci. Ser. I (France) (vol.292, no.2 12 Jan. 1981—)
Coden: CRSMDY ISSN 0249-6321
Comptes Rendus de Seances de l'Academie des Sciences, Serie I, Mathematique Formerly: C.R. Hebd. Seances Acad. Sci. Ser. A (France)
Gauthier-Villars, C.D.R., Centrale des Revues, B.P. No. 119, 93104 Montreuil Cedex, France

C.R. Seances Acad. Sci. Ser. II (France) (vol.292, no.2 12 Jan. 1981—)
Coden: CRSUDO ISSN 0249-6305
Comptes Rendus des Seances de l'Academie des Sciences, Serie II, Mecanique-Physique, Chimie, Sciences de la Terre, Sciences de l'Universe Gauthier-Villars, C.D.R., Centrale des Revues, B.P. No. 119, 93104 Montreuil Cedex, France. Formed by merger of C.R. Hebd. Seances Acad. Sci. Ser. B. (France) and C.R. Hebd. Seances Acad. Sci. Ser. C. (France)

CA Mag. (Canada) (vol.105, no.2 Aug. 1974—)
Coden: CAMADJ ISSN 0317-6878
CA Magazine Formerly: Can. Chart. Account. (Canada)
Canadian Institute of Chartered Accountants, 250 Bloor Street East, Toronto, M4W 1G5, Canada

†**Cable Telev. Eng. (GB)** (vol.10, no.1 Jan. 1973—)
Coden: CTEVB3 ISSN 0048-718X
Cable Television Engineering Formerly: Relay Eng. (GB)
Society of Cable Television Engineers, 10 Avenue Road, Dorridge, Solihull, Warwickshire, England

Cables & Transm. (France) (1968—)
Coden: CTRAA4
Cables et Transmission Merged with Commutat. & Electron. (France) to form Commutat. & Transm. (France)

CAD/CAM Dig. (GB) (vol.3, no.5 March-April 1981—)
Coden: CCDGD6 ISSN 0263-6190
CAD/CAM Digest CAD/CAM Publications Ltd., 170A Park Road, Peterborough, England

†**Cah. Cent. Etud. Rech. Oper. (Belgium)** (vol.20, no.1 1978—)
Coden: CCROAT ISSN 0008-9737
Cahiers du Centre d'Etudes de Recherche Operationelle c/o Institut de Statistique de l'U.L.B., C.P. 210, Boulevard du Triomphe, 1050 Bruxelles, Belgium

Cah. Groupe Fr. Rheol. (France) (vol.2, no.3 Sept. 1970—)
Coden: GFRCAO
Cahiers de Groupe Francais de Rheologie 68, Bd. St-Michel, 75006 Paris, France

†**Calcolo (Italy)** (vol.10, no.1 Jan.-March 1973—)
Coden: CALOBK ISSN 0008-0624
Calcolo Istituto di Elaborazione della Informazione del CNR, Via S. Maria 46, 56100 Pisa, Italy

Calitatea Prod. & Metrol. (Rumania) (vol.3(20), no.7 July 1973—)
Coden: CLPMA8
Calitatea Productiei si Metrologie Title changed to: Metrol. Apl. (Rumania)

CALPHAD: Comput. Coupling Phase Diagrams & Thermochem. (GB) (vol.1, no.1 1977—)
Coden: CCCTD6 ISSN 0364-5916
CALPHAD: Computer Coupling of Phase Diagrams and Thermochemistry Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Cambridge Philos. Soc. Math. Proc.
See: Math. Proc. Cambridge Philos. Soc. (GB)

Can. Acoust./Acoust. Can. (Canada) (vol.10, no.1 Jan. 1982—)
Coden: CAACDX ISSN 0711-6659
Canadian Acoustics/Acoustique Canadienne Formerly: Acoust. & Noise Control Can. (Canada)
Canadian Acoustical Association, P.O.Box 3651, Station 'C', Ottawa, Ont. K1Y 4J7, Canada

Can. Aeronaut. & Space J. (Canada) (vol.17, no.7 Sept. 1971—)
Coden: CSPJAE ISSN 0008-2821
Canadian Aeronautics and Space Journal Canadian Aeronautics and Space Institute, Saxe Building, 60-75 Sparks Street, Ottawa, Ontario K1P 5A5, Canada

Can. Bus. (Canada) (vol.56, no.6 June 1983—)
Coden: CABUAL ISSN 0008-3100
Canadian Business CB Media Ltd., 70 The Esplanade, 2nd Floor, Toronto, Ont. M5E 1R2, Canada

Can. Chart. Account. (Canada) (vol.100, no.3 March 1972—)
Coden: CCHAA5
Canadian Chartered Accountant Title changed to: CA Mag. (Canada)

Can. Controls & Instrum. (Canada) (vol.7, no.10 Oct. 1968—)
Coden: CCISAU ISSN 0705-3193
Canadian Controls and Instruments Maclean-Hunter Ltd., 481 University Avenue, Toronto M5W 1A7, Canada

Can. Datasyst. (Canada) (vol.3, no.11 Nov. 1971—)
Coden: CNDSAE ISSN 0008-3364
Canadian Datasystems Maclean-Hunter Ltd., 481 University Avenue, Toronto M5W 1A7, Canada

†**Can. Electr. Eng. J. (Canada)** (vol.3, no.1 Jan. 1978—)
Coden: CEEJDY ISSN 0700-9216
Canadian Electrical Engineering Journal Engineering Institute of Canada, Suite 700, EIC Building, 2050 Mansfield Street, Montreal, Canada

Can. Electron. Eng. (Canada) (vol.12, no.12 Dec. 1968—)
Coden: CAEEAM ISSN 0008-3461
Canadian Electronics Engineering Maclean-Hunter Ltd., 481 University Avenue, Toronto M5W 1A7, Canada

Can. Inf. Process Soc. Rev.
See: CIPS Rev. (Canada)

Can. Inst. Min. Bull.
See: CIM Bull. (Canada)

Can. J. Chem. (Canada) (1968—)
Coden: CJCHAG ISSN 0008-4042
Canadian Journal of Chemistry National Research Council of Canada, Ottawa KIA OR6, Canada

Can. J. Chem. Eng. (Canada) (vol.49, no.5 Oct. 1971—)
Coden: CJCEA7 ISSN 0008-4034
Canadian Journal of Chemical Engineering Canadian Society for Chemical Engineering, 151 Slater Street, Ottawa, Ontario, K1P 5H3, Canada

Can. J. Earth Sci. (Canada) (vol.7, no.3 June 1970—)
Coden: CJESAP ISSN 0008-4077
Canadian Journal of Earth Sciences National Research Council of Canada, Ottawa KIA OR6, Canada

Can. J. Inf. Sci. (Canada) (vol.1, no.1 1976—)
Coden: CJISDE ISSN 0380-9218
Canadian Journal of Information Science Canadian Association of Information Science, Box 158, Terminal A, Ottawa, Ontario, K1N 8V2, Canada

Can. J. Oper. Res. & Inf. Process.
See: INFOR (Canada)

†**Can. J. Phys. (Canada)** (1968—)
Coden: CJPHAD ISSN 0008-4204
Canadian Journal of Physics National Research Council of Canada, Ottawa KIA OR6, Canada

Can. J. Remote Sensing (Canada) (vol.4, no.2 Aug. 1978—)
Coden: CJRSDP ISSN 0008-2821
Canadian Journal of Remote Sensing Canadian Aeronautics and Space Institute, Saxe Building, 60-75 Sparks Street, Ottawa K1P 5A5, Canada

Can. J. Spectrosc. (Canada) (vol.17, no.1 Jan. 1972—)
Coden: CJSPAI ISSN 0045-5105
Canadian Journal of Spectroscopy Formerly: Can. Spectrosc. (Canada)
Multiscience Publications Ltd., 1253 McGill College, Suite 175, Montreal, Quebec H3B 2Y5, Canada

Can. Libr. J. (Canada) (vol.38, no.6 Dec. 1981—)
Coden: CLIJBX ISSN 0008-4352
Canadian Library Journal Canadian Library Association, 151 Sparks Street, Ottawa, Ont. K1P 5E3, Canada

Can. Oper. Res. Soc. J. (Canada) (vol.6, no.2 July 1968—)
Coden: JCORAW
Canadian Operational Research Society Journal Title changed to: INFOR (Canada)

Can. Pulp & Pap. Assoc. Tech. Sect. Trans.
See: Trans. Tech. Sect. Can. Pulp & Pap. Assoc. (Canada)

Can. Spectrosc. (Canada) (vol.16, no.1 Jan. 1971—)
Coden: CASPAN
Canadian Spectroscopy Title changed to: Can. J. Spectrosc. (Canada)

Carbon (GB) (1968—)
Coden: CRBNAH ISSN 0008-6223
Carbon Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Cat. & Classif. Q. (USA) (vol.2, no.3-4 1982—)
Coden: CCQUDB ISSN 0163-9374
Cataloging & Classification Quarterly Haworth Press Inc., 28 East 22 Street, New York, NY 10010, USA

Cathode Press (USA) (1968—)
Coden: CTPRAB ISSN 0008-7882
Cathode Press Machlett Labs. Inc., 42 Camp Avenue, Springdale, CT 06879, USA

CBM/PET News (Switzerland) (vol.2, no.4 1981—)
Coden: CPNSDD ISSN 0251-2017
CBM/PET News Merged into Mikro- & Kleincomput. (Switzerland)

CEGB Dig. (GB) (vol.23, no.6 June 1971—)
Coden: CEGDAN ISSN 0374-2792
CEGB Digest Central Electricity Generating Board, Information Services, Sudbury House, 15 Newgate Street, London, EC1 7AU, England

CEGB Res. (GB) (no.1 Dec. 1974—)
Coden: CEREDG ISSN 0305-7194
CEGB Research Central Electricity Generating Board, Courtenay House, 18 Warwick Lane, London, EC4P 4EB, England

CEGB Tech. Disclosure Bull. (GB) (no.163 Oct. 1970—)
Coden: CETDAK ISSN 0374-2784
CEGB Technical Disclosure Bulletin Central Electricity Generating Board, Information Services, Sudbury House, 15 Newgate Street, London, EC1 7AU, England

Celestial Mech. (Netherlands) (vol.1, no.2 Oct. 1969—)
Coden: CLMCAV ISSN 0008-8714
Celestial Mechanics D. Reidel Publishing Co., P.O. Box 17, 3300 AA Dordrecht, Netherlands

Cent. Electr. Generating Board Dig.
See: CEGB Dig. (GB)

Cent. Electr. Generating Board Res.
See: CEGB Res. (GB)

Cent. Electr. Generating Board Tech. Disclosure Bull.
See: CEGB Tech. Disclosure Bull. (GB)

Cent. Sci. Instrum. Org. Commun.
See: CSIO Commun. (India)

Cent. Studi & Lab. Telecomun. Rapp. Tec.
See: CSELT Rapp. Tec. (Italy)

CEP (Chem. Eng. Prog.) (USA) (vol.73, no.4 April 1977—)
Coden: CEPRA8 ISSN 0360-7275
CEP (Chemical Engineering Progress) Formerly: Chem. Eng. Prog. (USA)
American Institute of Chemical Engineers, 347 East 47th Street, New York, NY 10017, USA

Ceram. Int. (Italy) (vol.7, no.1 1981—)
Coden: CINNDH ISSN 0272-8842
Ceramics International Formerly: Ceramurgia Int. (GB)
Ceramurgica s.r.l., Corso Mazzini 54/3, I-48018 Faenza, Italy

Ceramurgia Int. (GB) (vol.4, no.2 April-June 1978—)
Coden: CEINDW
Ceramurgia International Title changed to: Ceram. Int. (Italy)

Cerberus Alarm (Switzerland) (Feb. 1972—)
Coden: CBALAU ISSN 0528-5984
Cerberus Alarm Cerberus Ltd., CH-8708 Mannedorf, Switzerland

Cerberus Electron. (Switzerland) (no.35 Feb. 1973—)
Coden: CRELBR ISSN 0304-5897
Cerberus Electronic Cerberus Ltd., CH 8708 Mannedorf, Switzerland

CERN Cour. (Switzerland) (vol.21, no.7 Sept. 1981—)
Coden: CECOA2 ISSN 0304-288X
CERN Courier European Organization for Nuclear Research, CERN, 1211 Geneva 23, Switzerland

Certif. Eng. (S. Africa) (vol.42, no.7 July 1969—)
Coden: CEENA9 ISSN 0009-0409
Certificated Engineer Institution of Certificated Mechanical & Electrical Engineers SA, P.O. Box 61019, Marshalltown, Transvaal, S. Africa

Cesk. Cas. Fyz. Sekce A (Czechoslovakia) (1968—)
Coden: CKCFAH ISSN 0009-0700
Ceskoslovensky Casopis pro Fyziku, Sekce A Academia Publishing House of the Czechoslovak Academy of Sciences, Vodickova 40, 112 29 Praha 1, Czechoslovakia

Cesk. Inf. Teor. & Praxe (Czechoslovakia) (vol.14, no.1 1972—)
Coden: CITPBH ISSN 0322-8509
Ceskoslovenska Informatika, Teorie a Praxe Editorial address: 11357 Praha 1, Konviktska 5, Czechoslovakia

CFI-Ceram. Forum Int. Ber. Dtsch. Keram. Ges. (Germany) (vol.57, no.9-10 Sept.-Oct. 1980—)
Coden: CCFDD7 ISSN 0173-9913
CFI-Ceramic Forum International-Berichte der Deutschen Keramischen Gesellschaft Formerly: Ber. Dtsch. Keram. Ges. (Germany)
Bauverlag GmbH, Postfach 1460, Wittelsbacherstrasse 10, D-6200 Wiesbaden, Germany

Chart. Inst. Build. Serv. J.
See: J. Chart. Inst. Build. Serv. (GB)

Chart. Mech. Eng. (GB) (1968—)
Coden: CHMGAF ISSN 0306-9532
The Chartered Mechanical Engineer Institution of Mechanical Engineers, P.O. Box 24, Northgate Avenue, Bury St. Edmunds, Suffolk IP32 6BW, England

Chem. & Process Eng. (GB) (1968—)
Coden: CPENAI
Chemical and Process Engineering From 1972 incorporated with Process Eng. (GB)

Chem. Biomed. & Environ. Instrum. (USA) (vol.9, no.1 1979—)
Coden: CBEIDA ISSN 0190-4094
Chemical, Biomedical, and Environmental Instrumentation Formerly: Chem. Instrum. (USA)
Marcel Dekker Inc., 270 Madison Avenue, New York, NY 10016, USA

Chem. Eng. (GB) (1968—)
Coden: CMERA9 ISSN 0302-0797
Chemical Engineer Institution of Chemical Engineers, 15 Belgrave Square, London, SW1X 8PT, England

Chem. Eng. (USA) (1968—)
Coden: CHEEA3 ISSN 0009-2460
Chemical Engineering McGraw-Hill Inc., McGraw-Hill Building, 1221 Avenue of the Americas, New York, NY 10020, USA

Chem. Eng. Aust. (Australia) (vol.ChE 3 1978—)
Coden: CEAUDD ISSN 0157-9762
Chemical Engineering in Australia Formerly: Inst. Eng. Aust. Chem. Eng. Aust. (Australia)
Institution of Engineers, Australia, College of Chemical Engineers, 11 National Circuit, Barton ACT, Australia

Chem. Eng. J. (Switzerland) (vol.3, no.1 Feb. 1972—)
Coden: CMEJAJ ISSN 0300-9467
Chemical Engineering Journal Elsevier Sequoia S.A., P.O. Box 851, 1001 Lausanne 1, Switzerland

Chem. Eng. Prog.
See: CEP (Chem. Eng. Prog.) (USA)

Chem. Eng. Prog. (USA) (1968—)
Coden: CEPRA8
Chemical Engineering Progress Title changed to: CEP (Chem. Eng. Prog.) (USA)

Chem. Eng. Res. & Des. (GB) (vol.61, no.1 Jan. 1983—)
Coden: CERDEE ISSN 0263-8762
Chemical Engineering Research & Design Formerly: Trans. Inst. Chem. Eng. (GB)
Institution of Chemical Engineers, George E. Davis Building, 165-171 Railway Terrace, Rugby CV21 3HQ, England

Chem. Eng. Sci. (GB) (1968—)
Coden: CESCAC ISSN 0009-2509
Chemical Engineering Science Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Chem. Ing. Tech. (Germany) (vol.43, no.14 July 1971—)
Coden: CITEAH ISSN 0009-286X
Chemie Ingenieur Technik Verlag Chemie GmbH, D-6940 Weinheim, Postfach 1260/1280, Pappelallee 3, Germany

Chem. Instrum. (USA) (vol.3, no.1 1971—)
Coden: CHINBH
Chemical Instrumentation Title changed to: Chem. Biomed. & Environ. Instrum. (USA)

†**Chem. Phys. (Netherlands)** (vol.1, no.1 Jan.-Feb. 1973—)
Coden: CMPHC2 ISSN 0301-0104
Chemical Physics North-Holland Publishing Co., P.O.Box 211, 1000 AE Amsterdam, Netherlands

†**Chem. Phys. Lett. (Netherlands)** (1968—)
Coden: CHPLBC ISSN 0009-2614
Chemical Physics Letters North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

Chem. Scr. (Sweden) (vol.1, no.1 1971—)
Coden: CSRPB9 ISSN 0004-2056
Chemica Scripta Royal Swedish Academy of Sciences, S-104 05 Stockholm 50, Sweden

Chem. Tech. (Germany) (1968—)
Coden: CHTEAA ISSN 0045-6519
Chemische Technik VEB Deutscher Verlag fur Grundstoffindustrie, 7031 Leipzig, Karl-Heine-Strasse 27, Germany

Chem. Technol. (USA) (Jan. 1971—)
Coden: CHMTBL
Chemical Technology Title changed to: Chemtech (USA)

Chemoautomatyka (Poland) (no.7 1983—)
ISSN 0209-1267
Chemoautomatyka Issued with: *Pomiary Autom. Kontrola (Poland)*

Chemtech (USA) (vol.7, no.12 Dec. 1977—)
Coden: CHTEDD ISSN 0009-2703
Chemtech Formerly: Chem. Technol. (USA)
American Chemical Society, 1115 Sixteenth Street, N.W., Washington, DC 20036, USA

Chiba Daigaku Kogakubu Kenkyu Hokoku
See: J. Fac. Eng. Chiba Univ. (Japan)

Chiba Univ. Fac. Eng. J.
See: J. Fac. Eng. Chiba Univ. (Japan)

Chief Executive (GB) (June 1978—)
Coden: CHEXDT ISSN 0140-8453
Chief Executive Formerly: Chief Executive Mon. (GB)
Morgan-Grampian Ltd., Morgan-Grampian House, Calderwood Street, London SE18 6QH, England

Chief Executive Mon. (GB) (Nov. 1977—)
Coden: CEMODL
Chief Executive Monthly Formerly: Bus. Adm. (GB) Title changed to: Chief Executive (GB)

Chin. Geophys. (USA) (vol.2, no.1 1982—)
Coden: CHGPDF
Chinese Geophysics American Geophysical Union, 2000 Florida Avenue, N.W., Washington, DC 20009, USA

Chin. Inst. Eng. J.
See: J. Chin. Inst. Eng. (Taiwan)

†**Chin. J. Comput. (China)** (vol.4, no.1 1981—)
Coden: JIXUDT ISSN 0254-4164
Chinese Journal of Computers Subscription address: Guozi Shudian, P.O.Box 399, Beijing, People's Republic of China

Chin. J. Lasers (China) (vol.10, no.1 20 Jan. 1983—)
Chinese Journal of Lasers Formerly: Laser J. (China)
Shanghai Scientific & Technical Publishers. Subscription address: Guozi Shudian, P.O.Box 640, Beijing, People's Republic of China

Chin. J. Mech. Eng. (China) (vol.17, no.1 1981—)
Coden: CHHKA2
Chinese Journal of Mechanical Engineering Subscription address: Guozi Shudian, P.O.Box 399, Beijing, People's Republic of China

Chin. J. Nucl. Phys. (USA) (vol.4, no.1 1982—)
Coden: YTHLDS ISSN 0253-3790
Chinese Journal of Nuclear Physics Subscription address: Guozi Shudian, P.O.Box 399, Beijing, People's Republic of China

†**Chin. J. Phys. (Taiwan)** (1968—)
Coden: CJOPAW ISSN 0577-9073
Chinese Journal of Physics Physical Society of the Republic of China, Physics Department, National Taiwan University, Taipei, Taiwan, Republic of China

Chin. J. Sci. Instrum. (China) (vol.2, no.1 Feb. 1981—)
Coden: YYXUDY ISSN 0254-3087
Chinese Journal of Scientific Instruments Subscription address: Guozi Shudian, P.O.Box 399, Beijing, People's Republic of China

Chin. J. Semicond. (China) (vol.1, no.1 Feb. 1980—)
Coden: PTTPDZ ISSN 0253-4177
Chinese Journal of Semiconductors Subscription address: Guozi Shudian, P.O.Box 399, Beijing, People's Republic of China

†**Chin. Phys. (USA)** (vol.1, no.1 1981—)
Coden: CHPHD2 ISSN 0273-429X
Chinese Physics American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA. Contains selected translations from current issues of major Chinese physics and astronomy journals

Chip (Germany) (no.5 May 1979—)
Coden: CHIPDP ISSN 0170-6632
Chip Vogel-Verlag, Postfach 67 40, D-8700 Wurzburg 1, Germany

Chishitsu Kogaku
See: Geotechnics (Japan)

Christ. Libr. (USA) (vol.25, no.1 Nov. 1981—)
Coden: CHLIDJ ISSN 0412-3131
Christian Librarian Association of Christian Librarians, St. Paul Bible College, Bible College, MN 55375, USA

Chubu Inst. Technol. Mem.
See: Mem. Chubu Inst. Technol. (Japan)

Chubu Kogyo Daigaku Kiyo
See: Mem. Chubu Inst. Technol. (Japan)

Ci News (Italy) (vol.1, no.1 March 1981—)
Coden: CINWDA ISSN 0392-2960
Ci News Issued with: *Ceram. Int. (Italy)*

CIE J. (France) (vol.2, no.1 July 1983—)
ISSN 0252-9246
CIE Journal Commission Internationale de l'Eclairage, Bureau Central, 52 Boulevard Malesherbes, 75008 Paris, France

Ciel & Espace (France) (vol.37, no.185 1982—)
Coden: CIESDL
Ciel et Espace Association Francaise d'Astronomie, 115 rue de Charenton, 75012 Paris, France

Ciel & Terre (Belgium) (vol.86, no.3 May-June 1970—)
Coden: CIELAV ISSN 0009-6709
Ciel et Terre Societe Belge d'Astronomie, de Meteorologie et de Physique du Globe, Avenue Circulaire 3, 1180 Bruxelles, Belgium

Ciencia (Mexico) (1968—)
Coden: CIENA3 ISSN 0185-075X
Ciencia Academia de la Investigacion Cientifica AC, Apartado Postal 69-692, Mexico 21, DF, Mexico

CIM Bull. (Canada) (vol.64, no.715 Nov. 1971—)
Coden: CIBUBA ISSN 0317-0926
Canadian Mining and Metallurgical Bulletin Canadian Institute of Mining and Metallurgy, 400 1130 Sherbrooke Street West, Montreal, Que. H3A 2M8, Canada

CIPS Rev. (Canada) (vol.3, no.4 Aug.-Sept. 1979—)
Coden: CIREDA ISSN 0701-8681
CIPS Review (Revue ACI) Canadian Information Processing Society, National Office, 243 College Street, 5th Floor, Toronto, Ontario M5T 2Y1, Canada

Circ. Electrotech. Lab. (Japan) (1968—)
Coden: DSCHAM ISSN 0366-9661
Circulars of the Electrotechnical Laboratory 2-chome, Nagata-cho, Chiyoda-ku, Tokyo, Japan

Circuit World (GB) (vol.1, no.2 Jan. 1975—)
Coden: CIWODV ISSN 0305-6120
Circuit World Wela Publications Ltd., 29 Barns Street, Ayr KA7 1XB, Scotland

Circuits Manuf. (USA) (vol.14, no.8 Aug. 1974—)
Coden: CMFGAF ISSN 0009-7306
Circuits Manufacturing Benwill Publishing Corp., 1050 Commonwealth Avenue, Boston, MA 02215, USA

Circuits Syst. & Signal Process. (USA) (vol.2, no.1 1983—)
ISSN 0278-081X
Circuits, Systems, and Signal Processing Birkhauser Boston Inc., 380 Green Street, Cambridge, MA 02139, USA

CIRP Ann. (Switzerland) (vol.29, no.2 1980—)
ISSN 0007-8506
CIRP Annals. (Annals of the International Institution for Production Engineering Research) Hallwag Publishers, CIRP, Nordring 4, CH-3001 Bern, Switzerland

Clean Air (Australia) (vol.5, no.4 Nov. 1971—)
Coden: CLNABV ISSN 0009-8647
Clean Air Clean Air Society of Australia and New Zealand, Editorial address: 75 Downshire Road, Elsternwick, Victoria 3185, Australia. Subscription address: 151 Northern Road, Heidelberg, Victoria 3081

Clim. Change (Netherlands) (vol.1, no.1 March 1977—)
Coden: CLCHDX ISSN 0165-0009
Climatic Change D. Reidel Publishing Co., P.O. Box 17, 3300 AA Dordrecht, Netherlands

†**Clin. Phys. & Physiol. Meas. (GB)** (vol.1, no.1 Feb. 1980—)
Coden: CPPMD5 ISSN 0143-0815
Clinical Physics and Physiological Measurement Institute of Physics, Techno House, Redcliffe Way, Bristol BS1 6NX, England

CoED (USA) (vol.1, no.5 Sept.-Oct. 1981—)
Coden: CWLJDP
CoED Computers in Education Division of ASEE, P.O.Box 308, West Long Branch, NJ 07764, USA

Cognitive Psychol. (USA) (vol.2, no.3 July 1971—)
Coden: CGPSBQ ISSN 0010-0285
Cognitive Psychology Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

Collect. Phenom. (GB) (vol.1, no.1 Aug. 1972—)
Coden: CLPNAB ISSN 0095-7003
Collective Phenomena Gordon and Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England

Colloid J. USSR (USA) (vol.34, no.1 Jan.-Feb. 1972—)
Coden: COJOA5 ISSN 0010-1303
Colloid Journal of the USSR [Translation of: *Kolloidn. Zh. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA

Colloids & Surf. (Netherlands) (vol.1, no.1 Jan. 1980—)
Coden: COSUD3 ISSN 0166-6622
Colloids and Surfaces Elsevier Scientific Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

Color Res. & Appl. (USA) (vol.5, no.1 Spring 1980—)
Coden: CREADU ISSN 0361-2317
Color Research & Application John Wiley & Sons Inc., 605 Third Avenue, New York, NY 10016, USA

Colorado Sch. Mines Q.
See: Q. Colorado Sch. Mines (USA)

Combinatorica (Netherlands) (vol.1, no.1 1981—)
Coden: COMBDI ISSN 0209-9683
Combinatorica North-Holland Publishing Co., P.O.Box 211, 1000 AE Amsterdam, Netherlands. Akademiai Kiado, Budapest 1363, P.O.Box 64, Hungary

Combust. & Flame (USA) (1968—)
Coden: CBFMAO ISSN 0010-2180
Combustion and Flame (Quarterly Journal of the Combustion Institute) American Elsevier Publishing Co., 52 Vanderbilt Avenue, New York, NY 10017, USA

Combust. Explos. & Shock Waves (USA) (1968—)
Coden: CESWA4 ISSN 0010-5082
Combustion, Explosion and Shock Waves [Translation of: *Fiz. Goreniya & Vzryva (USSR)*] Consultants Bureau, 233 Spring Street, New York, NY 10013, USA

Combust. Inst. Q. J.
See: Combust. & Flame (USA)

Commentat. Phys.-Math. (Finland) (1968—)
Coden: CPHMAU ISSN 0069-6609
Commentationes Physico-Mathematicae Societas Scientiarum Fennica, Snellmansgatan 9-11, 00170 Helsinki 17, Finland

Comments Astrophys. & Space Phys. (GB) (vol.2, no.2 March-April 1970—)
Coden: COASB7
Comments on Astrophysics and Space Physics Title changed to: Comments Astrophys. Comments Mod. Phys. Part C (GB)

Comments Astrophys. Comments Mod. Phys. Part C (GB) (vol.6, no.4 1976—)
Coden: COASD9 ISSN 0146-2970
Comments on Astrophysics. Comments on Modern Physics: Part C Formerly: Comments Astrophys. & Space Phys. (GB)
Gordon & Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England

†**Comments At. & Mol. Phys. (GB)** (vol.1, no.1 April-May 1969—)
Coden: CAMPBS ISSN 0010-2687
Comments on Atomic and Molecular Physics Gordon & Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England

Comments Mol. & Cell. Biophys. Comments Mod. Biol. Part A (GB) (vol.1, no.1 1980—)
Coden: CMCBDM ISSN 0143-8123
Comments on Molecular and Cellular Biophysics. Comments on Modern Biology: Part A Gordon and Breach Science Publishers Ltd., 42 William IV Street, London WC2, England

†**Comments Nucl. & Part. Phys. (GB)** (1968—)
Coden: CNPPAV ISSN 0010-2709
Comments on Nuclear and Particle Physics Gordon & Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England

†**Comments Plasma Phys. & Controlled Fusion (GB)** (vol.1, no.1 Jan.-Feb. 1972—)
Coden: CPCFBJ ISSN 0374-2806
Comments on Plasma Physics and Controlled Fusion Gordon & Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England

Comments Solid State Phys. (GB) (vol.1, no.4 Oct.-Nov. 1968—)
Coden: COSPBK ISSN 0308-1206
Comments on Solid State Physics Gordon & Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England

†**Commun. & Broadcast. (GB)** (vol.1, no.1 Summer 1974—)
Coden: COBRDB ISSN 0305-3601
Communication & Broadcasting Marconi Co. Ltd., Marconi House, New Street, Chelmsford, Essex CM1 1PL, England

†**Commun. ACM (USA)** (1968—)
Coden: CACMA2 ISSN 0001-0782
Communications of the ACM Association for Computing Machinery, 11 West 42nd Street, New York, NY 10036, USA

Commun. Aust. (Australia) (vol.1, no.7 Nov. 1982—)
Coden: CMAUDZ ISSN 0728-9456
Communications Australia Thomson Publications Australia, 47 Chippen Street, Chippendale, NSW 2008, Australia

Commun. Dublin Inst. Adv. Stud. Ser. A (Ireland) (1968—)
Coden: CDIAAH ISSN 0070-7414
Communications of the Dublin Institute for Advanced Studies, Series A School of Theoretical Physics, 10 Burlington Road, Dublin 4, Ireland

Commun. Eng. Int. (GB) (vol.3, no.6 Dec. 1981—)
Coden: CSILDM ISSN 0143-9561
Communications Engineering International ESP Communictions Ltd., 46-50 Coombe Road, New Malden, Surrey KT3 4QH, England

Commun. Int. (GB) (vol.2, no.3 March 1975—)
Coden: CINTDZ ISSN 0305-2109
Communications International Northwood Publications Ltd., Theba House, 49-50 Hatton Garden, London, EC1N 8XS, England

Commun. Manage. (GB) (April 1983—)
Coden: COMNEL ISSN 0264-4576
Communications Management Formerly: Commun. Syst. & Manage. (GB)
EMAP Business and Computer Publications Ltd., Scriptor Court, 155 Farringdon Road, London EC1R 3AD, England

Commun. Math. Phys. (Germany) (1968—)
Coden: CMPHAY ISSN 0010-3616
Communications in Mathematical Physics Springer-Verlag, Heidelberger Platz 3, D-1000 Berlin 33, Germany

Commun. R. Soc. Edinburgh (GB) (no.3 1975—)
Coden: CRYSAB ISSN 0308-129X
Communications to the Royal Society of Edinburgh (Physical Sciences) 22 George Street, Edinburgh, EH2 2PQ, Scotland

Commun. Satell. Corp. Tech. Rev.
See: COMSAT Tech. Rev. (USA)

Commun. Sci. & Tech. Inf. (GB) (no.14 Jan. 1973—)
Coden: CSTIBW ISSN 0308-6925
Communicator of Scientific and Technical Information Formerly: Commun. Tech. Inf. (GB)
Institute of Scientific and Technical Communicators Ltd., 17 Blueridge Avenue, Brookmans Park, Hatfield, Herts. AL9 7RY, England

Commun. Stat. (USA) (vol.4, no.1 1975—)
Coden: COSTCX
Communications in Statistics Title changed to: Commun. Stat.-Theory & Methods (USA)

Commun. Stat. Simulation & Comput. (USA) (vol.B5, no.1 1976—)
Coden: CSSCDB ISSN 0361-0918
Communications in Statistics - Simulation and Computation Marcel Dekker Inc., 270 Madison Avenue, New York, NY 10016, USA

Commun. Stat.-Theory & Methods (USA) (vol.5A, no.1 1976—)
Coden: CSTMDC ISSN 0361-0926
Communications in Statistics - Theory and Methods Formerly: Commun. Stat. (USA)
Marcel Dekker Inc., 270 Madison Avenue, New York, NY 10016, USA

Commun. Syst. & Manage. (GB) (vol.1, no.5 Oct. 1982—)
Coden: CCSMDV ISSN 0264-455X
Communications Systems & Management Title changed to: Commun. Manage. (GB)

Commun. Tech. Inf. (GB) (no.10 Aug. 1971—)
Coden: CMTIAN
Communicator of Technical Information Title changed to: Commun. Sci. & Tech. Inf. (GB)

Commun. Telecommun. User (GB) (vol.1, no.5 Nov. 1981—)
Coden: CTUSD8 ISSN 0264-4509
Communicate for the Telecommunications User Communicate Publications Ltd., 5 Riverside, Wooburn Moor, Nr. High Wycombe, Bucks, England

Commun. Theor. Phys. (China) (vol.1, no.2 1982—)
Coden: CTPHDI
Communications in Theoretical Physics Huazhong (Central China) University of Science and Technology Press, Wuhan, People's Republic of China

Communications (USA) (Jan. 1968—)
Coden: CMUTAR ISSN 0010-356X
Communications Cardiff Publishing Co., 3900 South Wadsworth Blvd., Denver, CO 80235, USA

Community & Junior Coll. Libr. (USA) (vol.1, no.1 Fall 1982—)
Coden: CJCLDV ISSN 0276-3915
Community & Junior College Libraries Haworth Press Inc., 28 East 22 Street, New York, NY 10010, USA

Commutat. & Electron. (France) (1968—)
Coden: CELCAB
Commutation et Electronique Merged with Cables & Transm. (France) to form Commutat. & Transm. (France)

†**Commutat. & Transm. (France)** (vol.1, no.1 Sept. 1979—)
Coden: COTNDL ISSN 0242-1283
Commutation & Transmission SOTELEC, 16 rue de la Baume, 75008 Paris, France. Formed by merger of Cables & Transm. (France) and Commutat. & Transm. (France)

COMPEL-Int. J. Comput. & Math. Electr. & Electron. Eng. (Ireland) (vol.1, no.1 March 1982—)
Coden: CODUDU ISSN 0332-1649
COMPEL-International Journal for Computation and Mathematics in Electrical and Electronic Engineering Boole Press Ltd., P.O.Box 5, 51 Sandycove Road, Dun Laoghaire, Co. Dublin, Ireland

Components Rep. (Germany) (vol.8, no.5 Nov. 1973—)
Coden: CMREC3
Components Report Formerly: Siemens Electron. Components Bull. (Germany) Title changed to: Siemens Components (Engl. Ed.) (Germany)

Composites (GB) (vol.2, no.4 Dec. 1971—)
Coden: CPSOAN ISSN 0010-4361
Composites Butterworth Scientific Ltd., Journals Division, P.O.Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England

Comput. & Autom. & People (USA) (vol.22, no.2 Feb. 1973—)
Coden: CPAUAJ
Computers and Automation and People Title changed to: Comput. & People (USA)

†**Comput. & Biomed. Res. (USA)** (1968—)
Coden: CBMRB7 ISSN 0010-4809
Computers and Biomedical Research Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

†**Comput. & Chem. (GB)** (vol.1, no.1 1976—)
Coden: COCHDK ISSN 0097-8485
Computers & Chemistry Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

†**Comput. & Chem. Eng. (GB)** (vol.1, no.1 1977—)
Coden: CCENDW ISSN 0098-1354
Computers & Chemical Engineering Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Comput. & Data Process. Technol. (USA) (vol.3, no.11 1980—)
Coden: CDPTDA
Computer and Data Processor Technology Hobbs Associates Inc., P.O.Box 686, Corona del Mar, CA 92625, USA

†**Comput. & Educ. (GB)** (vol.2, no.1-2 1978—)
Coden: COMEDR ISSN 0360-1315
Computers & Education Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

†**Comput. & Electr. Eng. (USA)** (vol.1, no.1 June 1973—)
Coden: CPEEBQ ISSN 0045-7906
Computers & Electrical Engineering Pergamon Press Inc., Maxwell House, Fairview Park, Elmsford, NY 10523, USA

†**Comput. & Fluids (GB)** (vol.1, no.1 Jan. 1973—)
Coden: CPFLBI ISSN 0045-7930
Computers & Fluids Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

†**Comput. & Geosci. (GB)** (vol.1, no.1-2 July 1975—)
Coden: CGEODT ISSN 0098-3004
Computers & Geosciences Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW, England

†**Comput. & Graphics (GB)** (vol.1, no.1 May 1975—)
Coden: COGRD2 ISSN 0097-8493
Computers & Graphics Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 0BW, England

†**Comput. & Hum. (Netherlands)** (vol.3, no.5 May 1969—)
Coden: COHUAD ISSN 0010-4817
Computers and the Humanities North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

†**Comput. & Ind. Eng. (GB)** (vol.2, no.1 1978—)
Coden: CINDDL ISSN 0360-8352
Computers & Industrial Engineering Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

†**Comput. & Math. with Appl. (GB)** (vol.1, no.1 Jan. 1975—)
Coden: CMAPDK ISSN 0097-4943
Computers & Mathematics with Applications Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 0BW, England

Comput. & Med. (USA) (vol.7, no.6—)
Coden: CMPMDI ISSN 0163-0547
Computers and Medicine Medit Associates Inc., P.O.Box 36, Glencoe, IL 60022, USA

Comput. & Medieval Data Process. (Canada) (vol.12, no.2 Oct. 1982—)
Coden: CMDPDZ ISSN 0384-5060
Computers and Medieval Data Processing (Informatique et Etudes Medievales) Editorial address: Serge Lusignan, Institut d'Etudes Medievales, Universite de Montreal, C.P. 2168, Succ. 'A', Montreal, Que. H3C 3J7, Canada

†**Comput. & Oper. Res. (GB)** (vol.1, no.1 March 1974—)
Coden: CMORAP ISSN 0305-0548
Computers & Operations Research Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Comput. & People (USA) (vol.23, no.1 Jan. 1974—)
Coden: CPLEAQ ISSN 0361-1442
Computers and People Formerly: Comput. & Autom. & People (USA) Berkeley Enterprises Inc., 815 Washington Street, Newtonville, MA 02160, USA

†**Comput. & Secur. (Netherlands)** (vol.1, no.1 Jan. 1982—)
Coden: CPSEDU ISSN 0167-4048
Computers & Security North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

Comput. & Soc. (USA) (vol.12, no.1 Winter 1982—)
Coden: CMSCD3 ISSN 0095-2737
Computers & Society Association for Computing Machinery, 11 West 42nd Street, New York, NY 10036, USA

Comput. & Stand. (Netherlands) (vol.1, no.1 Jan. 1982—)
Coden: COSTEZ ISSN 0167-8051
Computers & Standards North-Holland Publishing Co., P.O.Box 211, 1000 AE Amsterdam, Netherlands

†**Comput. & Struct. (GB)** (vol.1, no.1/2 Aug. 1971—)
Coden: CMSTCJ ISSN 0045-7949
Computers and Structures Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

†**Comput. Aided Des. (GB)** (vol.1, no.2 Winter 1969—)
Coden: CAIDA5 ISSN 0010-4485
Computer Aided Design Butterworth Scientific Ltd., Journals Division, P.O.Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England

Comput. Appl. (GB) (vol.1, no.1 1973—)
Coden: CPUABQ ISSN 0308-4221
Computer Applications Formerly: Comput. Appl. Nat. & Soc. Sci. (GB) Department of Geography, The Unversity, Nottingham, NG7 2RD, England

Comput. Appl. Nat. & Soc. Sci. (GB) (no.8 May 1970—)
Coden: CANSC9
Computer Applications in the Natural and Social Sciences Title changed to: Comput. Appl. (GB)

Comput. Archit. News (USA) (vol.9, no.5 15 Aug. 1981—)
Coden: CANED2 ISSN 0163-5964
Computer Architecture News Association for Computing Machinery, 1133 Avenue of the Americas, New York, NY 10036, USA

†**Comput. Biol. & Med. (GB)** (vol.1, no.1 Aug. 1970—)
Coden: CBMDAW ISSN 0010-4825
Computers in Biology and Medicine Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Comput. Bull. (GB) (ser. 2, no. 2 Dec. 1974—)
Coden: COBUAH ISSN 0010-4531
Computer Bulletin John Wiley & Sons Ltd., Baffins Lane, Chichester, Sussex PO19 1UD, England

Comput. Bus. News (USA) (vol.4, no.37 14 Sept. 1981—)
Coden: CBNED9 ISSN 0162-5853
Computer Business News 375 Conchituate Road, Box 880, Framingham, MA 01701, USA

†**Comput. Commun. (GB)** (vol.1, no.1 1978—)
Coden: COCOD7 ISSN 0140-3664
Computer Communications Butterworth Scientific Ltd., Journals Division, P.O.Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England

Comput. Commun. Rev. (USA) (vol.11, no.3 July 1981—)
Coden: CCRED2 ISSN 0146-4833
Computer Communication Review Association for Computing Machinery, 1133 Avenue of the Americas, New York, NY 10036, USA

Comput. Compacts (Netherlands) (vol.1, no.1 Feb. 1983—)
Coden: COCOE8 ISSN 0167-7136
Computer Compacts North-Holland Publishing Co., P.O.Box 1991, 1000 BZ Amsterdam, Netherlands

Comput. Coupling Phase Diagrams & Thermochem.
See: CALPHAD: Comput. Coupling Phase Diagrams & Thermochem. (GB)

Comput. Data (Canada) (vol.4, no.6 June 1979—)
Coden: CODAD4 ISSN 0383-7319
Computer Data G.P. Page Publications Ltd., 380 Wellington Street West, Toronto, Ont. M5V 1E3, Canada

Comput. Decis. (USA) (vol.3, no.9 Sept. 1971—)
Coden: CODCB8 ISSN 0010-4558
Computer Decisions Hayden Publishing Co., 50 Essex Street, Rochelle Park, NJ 07662, USA

†**Comput. Des. (USA)** (vol.7, no.9 Sept. 1968—)
Coden: CMPDAM ISSN 0010-4566
Computer Design P.O. Box A, Winchester, MA 01890, USA

Comput. Educ. (GB) (no.1 Feb. 1969—)
Coden: CPECBK ISSN 0010-4590
Computer Education Editorial Address: National Computer Centre, Oxford Road, Manchester M1 7ED, England

Comput. Educ. Q.
See: Interface Comput. Educ. Q. (USA)

Comput. Enhanced Spectrosc. (GB) (vol.1, no.1 Jan.-March 1983—)
Coden: CENSD4 ISSN 0734-3051
Computer Enhanced Spectroscopy John Wiley & Sons Ltd., Baffins Lane, Chichester, West Sussex PO19 1UD, England

Comput. Environ. & Urban Syst. (GB) (vol.6, no.1 1981—)
Coden: CEUSD5 ISSN 0198-9715
Computers, Environment and Urban Systems Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

†**Comput. Equip. Rev. (USA)** (vol.3, no.1 Jan.-June 1981—)
Coden: CEQRDG ISSN 0278-260X
Computer Equipment Review Formerly: Libr. Comput. Equip. Rev. (USA) Microform Review Inc., 520 Riverside Avenue, P.O.Box 405, Saugatuck Station, Westport, CT 06880, USA

Comput. Fraud & Secur. Bull. (GB) (vol.4, no.7 May 1982—)
Coden: CFSBEK ISSN 0142-0496
Computer Fraud & Security Bulletin Elsevier International Bulletins, Mayfield House, 256 Banbury Road, Oxford OX2 7DH, England. Elsevier International Bulletins, Associated Scientific Publishers, P.O.Box 211, 1000 AE Amsterdam, Netherlands

Comput. Graphics & Art (USA) (vol.3, no.4 Nov. 1978—)
Coden: CGARDI
Computer Graphics and Art Berkeley Enterprises Inc., 815 Washington Street, Newtonville, MA 02160, USA

Comput. Graphics & Image Process. (USA) (vol.7, no.1 Feb. 1978—)
Coden: CGIPBG ISSN 0146-664X
Computer Graphics and Image Processing Title changed to: Comput. Vision, Graphics & Image Process. (USA)

Comput. Graphics (USA) (vol.14, no.3 July 1980—)
Coden: CGRADI ISSN 0097-8930
Computer Graphics Association for Computing Machinery, 1133 Avenue of the Americas, New York, NY 10036, USA

Comput. Graphics World (USA) (vol.6, no.2 Feb. 1983—)
Coden: CGWODH
Computer Graphics World Computer Graphics World Publishing Co. Inc., 1714 Stockton, San Francisco, CA 94133, USA

Comput. Ind. (Netherlands) (vol.1, no.1 July 1979—)
Coden: CINUD4 ISSN 0166-3615
Computers in Industry North-Holland Publishing Co., P.O. Box 103, 1000 AC Amsterdam, Netherlands

†**Comput. J. (GB)** (1968—)
Coden: CMPJA6 ISSN 0010-4620
Computer Journal Heyden & Sons Ltd., Spectrum House, Hillview Gardens, London NW4 2JQ, England

Comput. J. (Switzerland) (no.4 July 1981—)
Coden: CJOUDG ISSN 0250-9997
Computer Journal Incorporated with Mikro- + Kleincomput. (Switzerland)

†**Comput. Lang. (GB)** (vol.1, no.1 Jan. 1975—)
Coden: COLADA ISSN 0096-0551
Computer Languages Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 0BW, England

†**Comput. Linguist. & Comput. Lang. (Hungary)** (vol.10 1975—)
Coden: CLCODK ISSN 0324-2048
Computational Linguistics and Computer Languages Hungarian Academy of Sciences, Budapest, Hungary

Comput. Manage. (GB) (vol.5, no.1 15 Jan. 1970—)
Coden: CPMGA3 ISSN 0010-4639
Computer Management ECC Publications Ltd., 30-31 Islington Green, London N1, England

Comput. Marketplace (GB) (no.77 1982—)
Coden: CMMPDC ISSN 0264-5521
Computer Marketplace Computer Marketplace U.K., 243 Caledonian Road, London N1 1ED, England

Comput. Methods Appl. Mech. & Eng. (Netherlands) (vol.1, no.1 June 1972—)
Coden: CMMECC ISSN 0045-7825
Computer Methods in Applied Mechanics and Engineering North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

Comput. Music J. (USA) (vol.2, no.4 Dec. 1978—)
Coden: CMUJDY ISSN 0148-9267
Computer Music Journal People's Computer Co., Box E, 1263 El Camino Real, Menlo Park, CA 94025, USA

†**Comput. Networks (Netherlands)** (vol.1, no.1 June 1976—)
Coden: CNETDP ISSN 0376-5075
Computer Networks North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

Comput. Newsl. Schools Bus. (USA) (vol.15, no.1 Sept. 1981—)
Coden: CMGNA7 ISSN 0010-4868
Computing Newsletter for Schools of Business College of Business Administration, University of Colorado, Austin Bluffs Parkway, Colorado Springs, CO 80907, USA

Comput. Performance (GB) (vol.2, no.3 Sept. 1981—)
Coden: COPED8 ISSN 0143-9642
Computer Performance Butterworth Scientific Ltd., Journals Division, P.O.Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England

Comput. Peripherals Rev. (USA) (vol.5, no.3 1978—)
Coden: CPERDX ISSN 0149-5054
Computer Peripherals Review GML Corp., 594 Marrett Road, Lexington, MA 02173, USA

Comput. Pers. (USA) (vol.4, no.3-4 1974—)
Coden: CPPNB6 ISSN 0160-2497
Computer Personnel Association for Computing Machinery, 11 West 42nd Street, New York, NY 10036, USA

†**Comput. Phys. Commun. (Netherlands)** (vol.1, no.1 July 1969—)
Coden: CPHCBZ ISSN 0010-4655
Computer Physics Communications North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

Comput. Prax. (Germany) (vol.1, no.10 Oct. 1968—)
Coden: COPXBT
Computer Praxis Incorporated with Elektron. Rechenanlagen (Germany)

†**Comput. Programs Biomed. (Netherlands)** (vol.1, no.1 Jan. 1970—)
Coden: COPMBU ISSN 0010-468X
Computer Programs in Biomedicine Elsevier/North-Holland Biomedical Press, P.O. Box 211, 1000 AE Amsterdam, Netherlands

Comput. Psychiatry/Psychol. (USA) (vol.3, no.1 Aug.-Sept. 1980—)
Coden: CPSHD5
Computers in Psychiatry/Psychology Dr. M.D. Schwartz, 26 Trumbull Street, New Haven, CT 06511, USA

Comput. Radiol. (GB) (vol.6, no.1 Jan.-Feb. 1982—)
Coden: COMRDW ISSN 0730-4862
Computerized Radiology Formerly: Comput. Tomogr. (GB)
Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW, England

Comput. Rev. (USA) (1978—)
Coden: CMRVCK ISSN 0093-416X
Computer Review GML Corp., 594 Marrett Road, Lexington, MA 02173, USA

Comput. SA (S. Africa) (vol.2, no.27 12 Feb. 1982—)
Coden: COSADB ISSN 0254-2196
Computing SA Thomson Publications S.A. (Pty.) Ltd., P.O.Box 8308, Johannesburg 2000, South Africa

Comput. Sch. (GB) (vol.5, no.1 Oct. 1982—)
Coden: COSCEI ISSN 0263-0982
Computers in Schools MUSE Information Office, Five Ways School, Scotland Lane, Bartley Green, Birmingham B32 4BT, England. Subscription address: Heinemann Computers in Education Ltd., 22 Bedford Square, London WC1B 3HH

Comput. Sci. & Inf. (India) (vol.12, no.1 1982—)
Coden: CSINET ISSN 0254-7813
Computer Science and Informatics Formerly: J. Comput. Soc. India
Computer Society of India, 15 Haji Ali Park, Bombay 400 034, India

Comput. Stat. & Data Anal. (Netherlands) (vol.1, no.1 March 1983—)
Coden: CSDADW ISSN 0167-9473
Computational Statistics & Data Analysis North-Holland Publishing Co., P.O.Box 211, 1000 AE Amsterdam, Netherlands

Comput. Surv. (GB) (vol.8, no.4 May-June 1969—)
Coden: COSVA3 ISSN 0010-4760
Computer Survey United Trade Press, 42/43 Gerrard Street, London, W1V 7LP, England

†**Comput. Surv. (USA)** (vol.1, no.1 March 1969—)
Coden: CMSVAN ISSN 0010-4892
Computing Surveys Association for Computing Machinery, 11 West 42nd Street, New York, NY 10036, USA

Comput. Syst. (GB) (vol.2, no.8 Aug. 1982—)
Coden: COSYEG ISSN 0264-4193
Computer Systems Techpress Publishing Co. Ltd., Walton House, 93 High Street, Bromley BR1 1JW, England

Comput. Talk (GB) (13 Feb. 1980—)
Coden: CMPTB3 ISSN 0142-9078
Computer Talk Talk Publications Ltd., 89-91 Wardour Street, London W1V 3TF, England

Comput. Teach. (USA) (vol.11, no.3 Oct. 1983—)
ISSN 0278-9175
Computing Teacher International Council for Computers in Education, ICCE, University of Oregon, 1787 Agate Street, Eugene, OR 97403, USA

Comput. Terminals Rev. (USA) (vol.6, no.3 1978—)
Coden: COTRDX ISSN 0147-9415
Computer Terminals Review GML. Corp., 594 Marrett Road, Lexington, MA 02173, USA

Comput. Times with Computacards (GB) (May 1978—)
Coden: COTID6
Computer Times with Computacards Formerly: Computacards Int. (GB)
Walker Ellis Ltd., 26 Lyons Drive, Worplesdon, Nr. Guildford, Surrey GU2 6BR, England

Comput. Today (GB) (vol.2, no.2 April 1980—)
Coden: COMTD4 ISSN 0142-7210
Computing Today 145 Charing Cross Road, London WC2H 0EE, England

Comput. Tomogr. (GB) (vol.1, no.1 Jan. 1977—)
Coden: CTOMDS ISSN 0363-8235
Computerized Tomography Title changed to: Comput. Radiol. (GB)

†**Comput. Vision, Graphics & Image Process. (USA)** (vol.21, no.1 Jan. 1983—)
Coden: CVGPDB ISSN 0734-189X
Computer Vision, Graphics, and Image Processing Formerly: Comput. Graphics & Image Process. (USA)
Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

Comput. Week (S. Africa) (vol.4, no.14 6 April 1981—)
Coden: CMWEDT ISSN 0254-2188
Computer Week 7th Floor, Rennie House, 19 Ameshoff Street, Braamfontein, Johannesburg, South Africa

Comput. Wkly. (GB) (vol.12, no.282 16 March 1972—)
Coden: COMWAA ISSN 0010-4787
Computer Weekly IPC Business Press Ltd., 40 Bowling Green Lane, London, EC1R ONE, England

Comput./Law J. (USA) (vol.2, no.2 Spring 1980—)
Coden: COLJD3 ISSN 0164-8756
Computer/Law Journal Center for Computer/Law, 530 West Sixth Street, 10th Floor, Los Angeles, CA 90014, USA

Computacards Int. (GB) (March 1978—)
Coden: CMPID6
Computacards International Title changed to: Comput. Times with Computacards (GB)

Compute (USA) (vol.3, no.2 Feb. 1977—)
Coden: CMPTD5
Compute National Semiconductor Corp., 2900 Semiconductor Drive, Santa Clara, CA 95051, USA

Compute. J. Prog. Comput. (USA) (vol.4, no.5 May 1982—)
Coden: COMPER ISSN 0194-357X
Compute. Journal for Progressive Computing Small Systems Services Inc., P.O.Box 5406, Greensboro, NC 27403, USA

†**Computer (USA)** (vol.4, no.6 Nov.-Dec. 1971—)
Coden: CPTRB4 ISSN 0018-9162
Computer Institute of Electrical and Electronic Engineers Computer Society, 5855 Naples Plaza, Suite 301, Long Beach, CA 90803, USA

Computerworld (USA) (vol.15, no.24 15 June 1981—)
Coden: CMPWAB ISSN 0010-4841
Computerworld CW Communications Inc., Box 880, 375 Cochituate Road, Framingham, MA 01701, USA

†**Computing (Austria)** (1968—)
Coden: CMPTA2 ISSN 0010-485X
Computing Springer-Verlag, A-1011 Wien, Molkerbastei 5, Postfach 367, Austria

Computing (GB) (vol.8, no.33 14 Aug. 1980—)
Coden: CPTGB5 ISSN 0144-3097
Computing Computing Publications Ltd., 55 Frith Street, London W1A 2HG, England

Computing (Suppl.) (Austria) (no.2 1980—)
Coden: COSPDM ISSN 0344-8029
Computing (Supplementum) Issued with: *Computing (Austria)*

†**COMSAT Tech. Rev. (USA)** (vol.1, no.1 Fall 1971—)
Coden: CSTRCQ ISSN 0095-9669
COMSAT Technical Review Communications Satellite Corp., 950 L'Enfant Plaza, S.W., Washington, DC 20024, USA

Cont. Shelf Res. (GB) (vol.2, no.1 May 1983—)
Coden: CSHRDZ ISSN 0278-4343
Continental Shelf Research Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

†**Contemp. Phys. (GB)** (1968—)
Coden: CTPHAF ISSN 0010-7514
Contemporary Physics Taylor and Francis Ltd., 10-14 Macklin Street, London, WC2B 5NF, England

Contrib. Atmos. Phys. (Germany) (vol.46, no.1 1973—)
Coden: BPYAAY ISSN 0005-8173
Contributions to Atmospheric Physics (Beitrage zur Physik der Atmosphare) Formerly: Beitr. Phys. Atmos. (Germany)
Friedr. Vieweg & Sohn Verlagsgesellschaft mbH, P.O. Box 5829, D-6200 Wiesbaden, Germany

Contrib. Geophys. Inst. Slovak Acad. Sci. (Czechoslovakia) (vol.10 1980—)
Coden: CGISAO ISSN 0586-4607
Contributions of the Geophysical Institute of the Slovak Academy of Sciences Dubravska 9, 842 28 Bratislava, Czechoslovakia

Contrib. Geophys. Inst. Slovak Acad. Sci. Ser. Meteorol. (Czechoslovakia) (vol.2 1978—)
Coden: CGIMD9
Contributions of the Geophysical Institute of the Slovak Academy of Sciences, Series of Meteorology Dubravska 9, 842 28 Bratislava, Czechoslovakia

Contrib. Inst. Low Temp. Sci. Ser. A (Japan) (no.23 1971—)
Coden: CLTSBD ISSN 0073-2931
Contributions from the Institute of Low Temperature Sciences, Series A
Hokkaido University, Sapporo, Japan

Control & Comput. (Canada) (vol.9, no.1 1981—)
Coden: CONCER ISSN 0730-9538
Control and Computers Formerly: Autom. Control Theory & Appl. (Canada)
ACTA Press, P.O.Box 3243, Postal Station B, Calgary, Alta. TM2 4L8, Canada

Control & Cybern. (Poland) (vol.1, no.1-2 1972—)
Coden: CCYBAP ISSN 0324-8569
Control and Cybernetics Panstwowe Wydawnictwo Naukowe, W-WA, Miodowa 10, Warszawa, Poland

Control & Instrum. (GB) (vol.1, no.1 May 1969—)
Coden: CTLIAW ISSN 0010-8022
Control & Instrumentation Morgan-Grampian (Publishers) Ltd., Morgan-Grampian House, Calderwood Street, London, SE18 6QH, England

Control Cibern. & Autom. (Cuba) (vol.3, no.1 Jan.-March 1969—)
Coden: CCAZAB
Control Cibernetica y Automatizacion Centro de Automatizacion Industrial (C.A.I.), Paseo No. 452 esq. a 19, Vedado, Habana 4 (Apdo. 4019), Cuba

Control Eng. (USA) (1968—)
Coden: CENGAX ISSN 0010-8049
Control Engineering Dun-Donelley Publishing Corp., 666 Fifth Avenue, New York, NY 10019, USA

Controller (Germany) (vol.17, no.3 July-Sept. 1968—)
Coden: CTLRAP ISSN 0343-267X
The Controller International Federation of Air Traffic Controllers' Associations, S.C. 11, 6 Frankfurt am Main 60, Bornheimer Landwehr 57a, Germany

Corros. Sci. (GB) (1968—)
Coden: CRRSAA ISSN 0010-938X
Corrosion Science Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Corrosion (USA) (vol.27, no.5 May 1971—)
Coden: CORRAK ISSN 0010-9312
Corrosion National Association of Corrosion Engineers, 1440 South Creek, Houston, TX 77084, USA

Cosmic Electrodyn. (Netherlands) (vol.1, no.1 April 1970—)
Coden: CELDBF
Cosmic Electrodynamics Incorporated with Astrophys. & Space Sci. (Netherlands)

Cosmic Res. (USA) (1968—)
Coden: CSCRA7 ISSN 0010-9525
Cosmic Research [Translation of: *Kosm. Issled. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA

Cost & Manage. (Canada) (vol.46, no.1 Jan.-Feb. 1972—)
Coden: CSTMA9 ISSN 0010-9592
Cost and Management Society of Management Accountants of Canada, 154 Main Street, Hamilton, Ontario L8N 3C3, Canada

Cost Eng. (USA) (vol.22, no.1 Jan.-Feb. 1980—)
Coden: CSTEDM ISSN 0274-9696
Cost Engineering American Association of Cost Engineers Inc., 308 Monongahela Building, Morgantown, WV 26505, USA

CQ Radio Amat. J. (USA) (vol.27, no.7 July 1971—)
Coden: CQCQAO ISSN 0007-893X
CQ Radio Amateur's Journal 76 North Broadway, Hicksville, NY 11801, USA

CRC Crit. Rev. Bioeng. (USA) (vol.3, no.1 1978—)
Coden: CRBEAO ISSN 0045-642X
CRC Critical Reviews in Bioengineering Title changed to: CRC Crit. Rev. Biomed. Eng. (USA)

CRC Crit. Rev. Biomed. Eng. (USA) (vol.9, no.1 1983—)
Coden: CRBEDR ISSN 0278-940X
CRC Critical Reviews in Biomedical Engineering Formerly: CRC Crit. Rev. Bioeng. (USA)
CRC Press Inc., 2000 Corporate Boulevard, N.W., Boca Raton, FL 33431, USA

CRC Crit. Rev. Solid State & Mater. Sci. (USA) (vol.7, no.2 1978—)
Coden: CCRSDA ISSN 0161-1593
CRC Critical Reviews in Solid State and Materials Sciences Formerly: Crit. Rev. Solid State Sci. (USA)
CRC Press Inc., 18901 Cranwood Parkway Cleveland, OH 44128, USA

Creative Comput. (USA) (vol.2, no.5 Sept.-Oct. 1976—)
Coden: CCOMDB ISSN 0097-8140
Creative Computing P.O. Box 789-M, Morristown, NJ 07960, USA

Crimean Astrophys. Obs. Bull.
See: Bull. Crimean Astrophys. Obs. (USA)

Crit. Rev. Solid State Sci. (USA) (vol.2, no.2 Aug. 1971—)
Coden: CCSCBX
Critical Reviews in Solid State Sciences Title changed to: CRC Crit. Rev. Solid State & Mater. Sci. (USA)

Cryogenics (GB) (1968—)
Coden: CRYOAX ISSN 0011-2275
Cryogenics Butterworth Scienfitic Ltd., Journals Division, P.O.Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England

†Cryst. Lattice Defects & Amorphous Mater. (GB) (vol.10, no.1 1983—)
Coden: CLDMDJ ISSN 0732-8699
Crystal Lattice Defects and Amorphous Materials Formerly: Cryst. Lattice Defects (GB)
Gordon and Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England

Cryst. Lattice Defects (GB) (vol.1, no.1 Dec. 1969—)
Coden: CLADA8 ISSN 0011-2305
Crystal Lattice Defects Title changed to: Cryst. Lattice Defects & Amorphous Mater. (GB)

Cryst. Res. & Technol. (Germany) (vol.16, no.1 1981—)
Coden: CRTEDF ISSN 0232-1300
Crystal Research and Technology Formerly: Krist. & Tech. (Germany)
Akademie-Verlag, DDR-1080 Berlin, Leipziger Strasse 3-4, Germany

†CSELT Rapp. Tec. (Italy) (no.1 July 1973—)
Coden: CSELBY ISSN 0390-1815
CSELT Rapporti Tecnici CSELT - Centro Studi e Laboratori Telecomunicazioni, Torino, Via Guglielmo Reiss Romoli 274, Italy

CSIO Commun. (India) (vol.1, no.1 Jan.-March 1974—)
Coden: CSIOBT ISSN 0304-9841
CSIO Communications Central Scientific Instruments Organisation, Sector 30, Chandigarh-160020, India

CSIRONET News (Australia) (no.163 Feb. 1982—)
Coden: CNNEDP ISSN 0726-657X
CSIRONET News CSIRO Division of Computing Research, P.O.Box 1800, Canberra City, ACT 2601, Australia

Curr. Sci. (India) (1968—)
Coden: CUSCAM ISSN 0011-3891
Current Science Current Science Association, Raman Research Institute, Bangalore 560006, India

†Cybern. & Syst. (USA) (vol.11, no.1-2 June-Aug. 1980—)
Coden: CYSYDH ISSN 0196-9722
Cybernetics and Systems Formerly: J. Cybern. (USA)
Hemisphere Publishing Corp., 1025 Vermont Avenue, N.W., Washington, DC 20005, USA

Cybernetica (Belgium) (vol.13, no.2 1970—)
Coden: CYBEA5 ISSN 0011-4227
Cybernetica International Association for Cybernetics, Place Andre Rijckmans, Namur, Belgium

†Cybernetics (USA) (1968—)
Coden: CYBNAW ISSN 0011-4235
Cybernetics [Translation of: *Kibernetika (USSR)*] Consultants Bureau, 233 Spring Street, New York, NY 10013, USA

Czech. Heavy Ind. (Czechoslovakia) (no.12 1969—)
Coden: CZHIAK ISSN 0011-4618
Czechoslovak Heavy Industry Rapid, 13 UL, 28 Rijna, 11279 Praha 1, Czechoslovakia

†Czech. J. Phys. Sect. B (Czechoslovakia) (1968—)
Coden: CZYPAO ISSN 0011-4626
Czechoslovak Journal of Physics, Section B Academia, Publishing House of the Czechoslovak Academy of Sciences, Vodickova 40, 112 29 Praha 1, Czechoslovakia

†Dainichi-Nippon Cables Rev. (Japan) (no.39 July 1968—)
Coden: DNDJAW ISSN 0011-5541
Dainichi-Nippon Cables Review Dainichi-Nippon Cables Ltd., Umeda Bldg., 7-3 Umdeba, Kita-ku, Osaka, Japan

Dainichi-Nippon Densen Jiho
See: Dainichi-Nippon Cables Rev. (Japan)

Dalian Gongxueyuan Xuebao
See: J. Dalian Inst. Technol. (Dalian Gongxueyuan Xuebao) (China)

Danfoss J. (Denmark) (vol.23, no.4 1968—)
Coden: DNFJA8 ISSN 0011-6076
Danfoss Journal Danfoss Manufacturing Co., Nordborg, Denmark

Data (Denmark) (vol.9, no.6 June 1979—)
Coden: DAATDR ISSN 0105-9912
Data Title changed to: Nord. Datanytt Data (Denmark)

†Data Base (USA) (vol.1, no.1 Spring 1969—)
Coden: DTBSAN ISSN 0095-0033
Data Base Association for Computing Machinery, 11 West 42nd Street, New York, NY 10036, USA

Data Bus. (GB) (March 1982—)
Coden: DABUDZ
Data Business VNU Business Publications, 53-55 Frith Street, London W1A 2HD, England

Data Commun. (USA) (vol.10, no.11 Nov. 1981—)
Coden: DACODM ISSN 0363-6399
Data Communications McGraw-Hill Publications Co., McGraw-Hill Building, 1221 Avenue of the Americas, New York, NY 10020, USA

Data Manage. (USA) (vol.8, no.9 Sept. 1970—)
Coden: DTAMBZ ISSN 0148-5431
Data Management Formerly: J. Data Manage. (USA)
Data Processing Management Association, 505 Busse Highway, Park Ridge, IL 60068, USA

Data Process. Pract. (GB) (vol.4, no.24 March 1973—)
Coden: DPPTAY ISSN 0011-6882
Data Processing Practitioner Institute of Data Processing Ltd., Walter House, 418-422 Strand, London WC2R 0PW, England

Data Processing (GB) (vol.10, no.4 July-Aug. 1968—)
Coden: DPROAT ISSN 0011-684X
Data Processing Butterworth Scientific Ltd., Journals Division, P.O.Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England

Data Processor (USA) (vol.7, no.1 Feb. 1969—)
Coden: DATPA5 ISSN 0011-6890
Data Processor Data Processing Division, International Business Machines Corp., 1133 Westchester Avenue, White Plains, NY 10604, USA

Data Rep. (Germany) (vol.3, no.3 Sept. 1968—)
Coden: DARPAT ISSN 0374-289X
Data Report Siemens Aktiengesellschaft, Hellabrunner Strasse 1, 8000 Munchen 90, Germany

Data Syst. (GB) (1968—)
Coden: DASYAR
Data Systems Title changed to: Ind. Manage. + Data Syst. (GB)

Data Tid (Norway) (vol.4, no.1 Feb. 1982—)
Coden: DATIDL ISSN 0332-8171
Data Tid Ingeniorforlaget A/S, Kronprinsens gt. 17, Oslo 2, Norway

Data Transfer (GB) (vol.1, no.1 Feb. 1983—)
Coden: DATRDE
Data Transfer International Thomson Publishing Ltd., 93-99 Goswell Road, London EC1V 7QA, England

†Database & Network J. (GB) (vol.13, no.3 1983—)
ISSN 0308-3314
Database and Network Journal Formerly: Database J. (GB)
A.P. Publications Ltd., 322 St. John Street, London EC1V 4QH, England

†Database (USA) (vol.1, no.1 Sept. 1978—)
Coden: DTBSDQ ISSN 0162-4105
Database Online Inc., 11 Tannery Lane, Weston, CT 06883, USA

Database J. (GB) (vol.6, no.2 1975—)
Coden: DAJODN ISSN 0308-3314
Database Journal Title changed to: Database & Network J. (GB)

Datalink (GB) (27 Nov. 1978—)
Coden: DTLNDR ISSN 0141-6545
Datalink 76 Dean Street, London, W1A 1BU, England

† indicates a journal abstracted completely

Datamation (USA) (1968—)
Coden: DTMNAT ISSN 0011-6963
Datamation Technical Publishing Co., 1301 South Grove Avenue, Barrington, IL 60010, USA

Datenverarb. Recht (Germany) (vol.10, no.1-2 1981—)
Coden: DRECDD ISSN 0301-2980
Datenverarbeitung im Recht J. Schweitzer Verlag KG, Geibelstrasse 8, D-8000 Munchen 80, Germany

DB Sound Eng. Mag. (USA) (vol.15, no.9 Sept. 1981—)
Coden: DBSEDB ISSN 0011-7145
DB, The Sound Engineering Magazine Sagamore Publishing Co., 1120 Old Country Road, Plainview, LI, NY 11803, USA

DEC Prof. (USA) (vol.2, no.4 June 1983—)
Coden: DECPDJ ISSN 0744-9216
The DEC Professional Professional Press Inc., 161 E. Hunting Park Avenue, Philadelphia, PA 19124, USA

Dec User (GB) (April 1983—)
Coden: DECUEZ ISSN 0263-6530
Dec User EMAP Business and Computer Publications Ltd., 57a Hatton Garden, London EC1N 8JD, England

Decis. Sci. (USA) (vol.8, no.2 April 1977—)
Coden: DESCDQ ISSN 0011-7315
Decision Sciences American Institute for Decision Sciences, University Plaza, Atlanta, GA 30303, USA

Deep-Sea Res. (GB) (vol.18, no.2 Feb. 1971—)
Coden: DROAAK
Deep-Sea Research Title changed to: Deep-Sea Res. Part A (GB)

Deep-Sea Res. Part A (GB) (vol.26, no.1A Jan. 1979—)
Coden: DESRAY ISSN 0198-0149
Deep-Sea Research Part A, Oceanographic Research Papers Formerly: Deep-Sea Res. (GB)
Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Def. Electron. (USA) (vol.11, no.3 May 1979—)
Coden: DEELDH ISSN 0194-7885
Defense Electronics Formerly: Electron. Warf. Def. Electron. (USA)
EW Communications Inc., 1170 East Meadow Drive, Palo Alto, CA 94303, USA

Def. Sci. J. (India) (1968—)
Coden: DSJOAA ISSN 0011-748X
Defence Science Journal Metcalfe House, Delhi 110054, India

Defektoskopiya (USSR) (vol.9, no.1 Jan.-Feb. 1973—)
Coden: DEFKAG ISSN 0130-3082
Defektoskopiya Academy of Sciences of the USSR, Moskva, USSR [English translation in: *Sov. J. nondestr. Test. (USA)*]

Delft Prog. Rep. (Netherlands) (vol.2, no.1 Oct. 1976—)
Coden: DPRED2 ISSN 0304-985X
Delft Progress Report Delft University Press, Mijnbouwplein 11, 2628 RT Delft, Netherlands. Formed by merger of Delft Prog. Rep. Ser. A,B,C,D,E & F

Delft Prog. Rep. Ser. A (Netherlands) (vol.1, no.1 Sept. 1973—)
Coden: DPRACN
Delft Progress Report Series A: Chemistry and Physics, Chemical and Physical Engineering Merged into Delft Prog. Rep. (Netherlands)

Delft Prog. Rep. Ser. B (Netherlands) (vol.1, no.1 Dec. 1973—)
Coden: DPRPBX
Delft Progress Report Series B: Electrical, Electronic and Information Engineering Merged into Delft Prog. Rep. (Netherlands)

Delft Prog. Rep. Ser. D (Netherlands) (vol.1, no.2 Aug. 1975—)
Coden: DPRSDA
Delft Progress Report Series D: Architecture, Industrial Design, Social Sciences Merged into Delft Prog. Rep. (Netherlands)

Delft Prog. Rep. Ser. E (Netherlands) (vol.1, no.1 Feb. 1974—)
Coden: DPREBY
Delft Progress Report Series E: Geosciences Merged into Delft Prog. Rep. (Netherlands)

Delft Prog. Rep. Ser. F (Netherlands) (vol.1, no.1 Jan. 1974—)
Coden: DPRFB3
Delft Progress Report Series F: Mathematical Engineering Mathematics and Information Engineering Merged into Delft Prog. Rep. (Netherlands)

Denki Gakkai Ronbunshi A
See: Trans. Inst. Electr. Eng. Jpn. Part A (Japan)

Denki Gakkai Ronbunshi B
See: Trans. Inst. Electr. Eng. Jpn. Part B (Japan)

Denki Gakkai Ronbunshi C
See: Trans. Inst. Electr. Eng. Jpn. Part C (Japan)

Denki Kagaku (Japan) (1983—)
Coden: DNKKA2
Denki Kagaku Electrochemical Society of Japan, Shin-yurakucho Building, 1-12-1 Yuraku-cho, Chiyoda-ku, Tokyo 100, Japan

Denki Kenteisho Giho
See: JEMIC Tech. Rep. (Japan)

Denki Tsushin Daigaku Gakuho
See: Rep. Univ. Electro-Commun. (Japan)

Denki Tsushin Kenkyusho Kenkyu Jitsuyoka Hokoku
See: Electr. Commun. Lab. Tech. J. (Japan)

Denpa Kenkyusho Kiho
See: Rev. Radio Res. Lab. (Japan)

Denshi Gijutsu Sogo Kenkyusho Chosa Hokoku
See: Circ. Electrotech. Lab. (Japan)

Denshi Gijutsu Sogo Kenkyusho Iho
See: Bull. Electrotech. Lab. (Japan)

Denshi Gijutsu Sogo Kenkyusho Kenkyu Hokoku
See: Res. Electrotech. Lab. (Japan)

Denshi Tsushin Gakkai Ronbunshi B
See: Trans. Inst. Electron. & Commun. Eng. Jpn. Part B (Japan)

Denshi Tsushin Gakkai Ronbunshi C
See: Trans. Inst. Electron. & Commun. Eng. Jpn. Part C (Japan)

Denshi Tsushin Gakkai Ronbunshi D
See: Trans. Inst. Electron. & Commun. Eng. Jpn. Part D (Japan)

Denshi Tsushin Gakkaishi
See: J. Inst. Electron. & Commun. Eng. Jpn. (Japan)

Dep. Energy Mines & Resour. Earth Phys. Branch Publ.
See: Publ. Earth Phys. Branch Dep. Energy Mines & Resour. (Canada)

Des. Eng. (GB) (Sept. 1969—)
Coden: DEMCBS ISSN 0308-8448
Design Engineering Morgan-Grampian (Publishers) Ltd., Morgan-Grampian House, Calderwood Street, London, SE18 6QH, England. Incorporates Fluid Power Int. (GB)

Desalination (Netherlands) (vol.8, no.2 Oct. 1970—)
Coden: DSLNAH ISSN 0011-9164
Desalination Elsevier Scientific Publishing Co., P.O. Box 330, 1000 AH Amsterdam, Netherlands

Dialogoye Sist. (USSR) (no.3 1980—)
Coden: DSISDK
Dialogoye Sistemy Izdatel'stvo 'Zinatne', Riga, USSR

Diesel & Gas Turbine Worldwide (USA) (vol.15, no.6 July-Aug. 1983—)
Coden: DGWODS ISSN 0278-5994
Diesel & Gas Turbine Worldwide Diesel & Gas Turbine Publications, 13555 Bishop's Court, Brookfield, WI 53005-0943, USA

Digital Des. (USA) (vol.6, no.5 May 1976—)
Coden: DIDEDJ ISSN 0147-9245
Digital Design Benwill Publishing Corp., 1050 Commonwealth Avenue, Boston, MA 02215, USA

†Digital Processes (Switzerland) (vol.1, no.1 Spring 1975—)
Coden: DGPRBY ISSN 0301-4185
Digital Processes Georgi Publishing Co., CH-1813 St. Saphorin, Switzerland

Digital Syst. Ind. Autom. (USA) (vol.1, no.1 1981—)
Coden: DSIADY ISSN 0196-559X
Digital Systems for Industrial Automation Crane Russak & Co. Inc., 3 East 44th Street, New York, NY 10017, USA

Dir. Etud. & Rech. Bull. Ser. A
See: Bull. Dir. Etud. & Rech. Ser. A (France)

Dir. Etud. & Rech. Bull. Ser. B
See: Bull. Dir. Etud. & Rech. Ser. B (France)

Dir. Etud. & Rech. Bull. Ser. C
See: Bull. Dir. Etud. & Rech. Ser. C (France)

Dir. Mark. (USA) (vol.46, no.4 Aug. 1983—)
Direct Marketing 224 Seventh Street, Garden City, LI, NY 11530, USA

DISA Inf. (Denmark) (1968—)
Coden: DISIAZ
Danske Industri Syndikat A/S Information Title changed to: DISA Inf. (Denmark)

†DISA Inf. (Denmark) (no.27 Jan. 1982—)
Coden: DISIAZ ISSN 0070-6639
DISA Information Formerly: DISA Inf. (Denmark)
DISA Elektronik A/S, DK-2740 Skovlunde, Denmark

Discrete Appl. Math. (Netherlands) (vol.1, no.1-2 Sept. 1979—)
Coden: DAMADU ISSN 0166-218X
Discrete Applied Mathematics North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

Discrete Math. (Netherlands) (vol.1, no.1 May 1971—)
Coden: DSMHA4 ISSN 0012-365X
Discrete Mathematics North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

†Disp. Technol. & Appl. (GB) (vol.1, no.1 April 1979—)
Coden: DISPDP ISSN 0141-9382
Displays, Technology and Applications Butterworth Scientific Ltd., Journals Division, P.O.Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England

Doc. & Bibl. (Canada) (vol.19, no.1 March 1973—)
Coden: DCBBBO ISSN 0315-2340
Documentation et Bibliotheques Formerly: Assoc. Can. Bibl. Lang. Fr. Bull. (Canada)
Association Canadienne des Bibliothecaires de Langue Francaise, 360 rue Le Moyne, Montreal 125, Canada

Documentaliste (France) (vol.9, no.1 March 1972—)
Coden: DCMTAU ISSN 0012-4508
Documentaliste A.D.B.S., 5 Avenue Franco-Russe, 75007 Paris, France

Dokl. Akad. Nauk SSSR (1968—)
Coden: DANKAS ISSN 0002-3264
Doklady Akademii Nauk SSSR Editorial address: 117874 GSP-7 Moskva B-485, Profsoyuznaya Ul. 90 Kom. 533, USSR [English translations of selected articles in:*Sov. Phys.-Dokl. (USA)*]

Dokl. Biophys. (USA) (vol.202-204 Jan.-June 1972—)
Coden: DOKBAG ISSN 0012-4974
Doklady Biophysics Consultants Bureau, 233 Spring Street, New York, NY 10013, USA. Translation of the Biophysics Section of Doklady Akademii Nauk SSSR

Dom. Astrophys. Obs. Publ.
See: Publ. Dom. Astrophys. Obs. (Canada)

Dopov. Akad. Nauk UkRSR. Ser. A (USSR) (no.11 1971—)
Coden: DUKABM ISSN 0002-3531
Dopovidi Akademii Nauk Ukrains'koi RSR. Seriya A Fiziko-Tekhnichni ta Matematichni Nauki Izdatel'stvo 'Naukova Dumka', 252601 Kiev, MSP, Repina 3, USSR

Doshisha Daigaku Rikogaku Kenkyu Hokoku
See: Sci. & Eng. Rev. Doshisha Univ. (Japan)

Doshisha Univ. Sci. & Eng. Rev.
See: Sci. & Eng. Rev. Doshisha Univ. (Japan)

†Dr. Dobb's J. (USA) (vol.6, no.7 July 1981—)
Coden: DDJSDM
Dr. Dobb's Journal Formerly: Dr. Dobb's J. Comput. Calisthenics & Orthod. (USA)
People's Computer Co., Box E, 1263 El Camino Real, Menlo Park, CA 94025, USA

Dr. Dobb's J. Comput. Calisthenics & Orthod. (USA) (vol.5, no.1 Jan. 1980—)
Coden: DDJODA
Dr. Dobb's Journal of Computer Calisthenics & Orthodontia Title changed to: Dr. Dobb's J. (USA)

Dresden Tech. Univ. Wiss. Z.
See: Wiss. Z. Tech. Univ. Dresden (Germany)

Drives & Controls Int. (USA) (vol.2, no.5 June-July 1982—)
Coden: DCINDT ISSN 0744-351X
Drives & Controls International Intertec Communications Inc., 2909 Ocean Drive, Oxnard, CA 93030, USA

Dtsch. Eisenbahntech. (Germany) (vol.17, no.1 Jan. 1969—)
Coden: DEBTAN
Deutsche Eisenbahntechnik Title changed to: Eisenbahntechnik (Germany)

Dublin Inst. Adv. Stud. Commun. Ser. A
See: Commun. Dublin Inst. Adv. Stud. Ser. A (Ireland)

Dun's Bus. Mon. (USA) (vol.118, no.3 Sept. 1981—)
Coden: DBMODB ISSN 0279-3040
Dun's Business Month 666 Fifth Avenue, New York, NY 10103, USA

† indicates a journal abstracted completely

Dyn. Atmos. & Oceans (Netherlands) (vol.4, no.1 Aug. 1979—)
Coden: DAOCDC ISSN 0377-0265
Dynamics of Atmospheres and Oceans Elsevier Scientific Publishing Co., P.O. Box 330, 1000 AH Amsterdam, Netherlands

Dyna (Spain) (1968—)
Coden: DYNAAU ISSN 0012-7361
Dyna Association Nacional De Ingenieros Industriales de Espana, AL. Mazarredo, 69, 5 Bilbao 9, Apartado 646, Spain

Earth & Planet. Sci. Lett. (Netherlands) (1968—)
Coden: EPSLA2 ISSN 0012-821X
Earth and Planetary Science Letters Elsevier Scientific Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

Earth Surf. Processes & Landforms (GB) (vol.6, no.1 Jan.-Feb. 1981—)
Coden: ESPLDB ISSN 0197-9337
Earth Surface Processes and Landforms Formerly: Earth Surf. Processes (GB)
John Wiley & Sons Ltd., Baffins Lane, Chichester, West Sussex PO19 1UD, England

Earth Surf. Processes (GB) (vol.1, no.1 Jan.-March 1976—)
Coden: ESPRDT ISSN 0360-1269
Earth Surface Processes Title changed to: Earth Surf. Processes & Landforms (GB)

Earth-Oriented Appl. Space Technol. (GB) (vol.3, no.1 1983—)
ISSN 0277-4488
Earth-Oriented Applications of Space Technology Formerly: Adv. Earth Oriented Appl. Space Technol. (GB)
Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Earth-Sci. Rev. (Netherlands) (vol.17, no.4 Nov. 1981—)
Coden: ESREBW ISSN 0012-8252
Earth-Science Reviews Elsevier Scientific Publishing Co., P.O.Box 330, 1000 AH Amsterdam, Netherlands

Earthquake Eng. & Struct. Dyn. (GB) (vol.5, no.2 April-June 1977—)
Coden: IJEEBG ISSN 0098-8847
Earthquake Engineering & Structural Dynamics Formerly: Int. J. Earthquake Eng. & Struct. Dyn. (GB)
John Wiley & Sons Ltd., Baffins Lane, Chichester, Sussex PO19 1UD, England

Earthquake Not. (USA) (vol.51, no.1 Jan.-March 1980—)
Coden: EAQNAT ISSN 0012-8287
Earthquake Notes Eastern Section,Seismological Society of America, Printing and Photographic Center, Georgia Institute of Technology, Atlanta, GA 30332, USA

EBI (Educ. Broadcast. Int.) (GB) (vol.10, no.4 Dec. 1977—)
Coden: EBINAU
EBI (Educational Broadcasting International) Formerly: Educ. Broadcast. Int. (GB) Title changed to: MED (Media Educ. & Dev.) (GB)

EBU Rev. A (Belgium) (1968—)
Coden: EBUTA6
EBU Review, Part A (Technical) Title changed to: EBU Rev. Tech. (Belgium)

EBU Rev. Tech. (Belgium) (no.141 Oct. 1973—)
Coden: EBUTA6 ISSN 0379-7155
EBU Review, Technical Formerly: EBU Rev. A (Belgium)
Technical Centre of the European Broadcasting Union, Avenue Albert Lancaster 32, B-1180 Bruxelles, Belgium

EC-Nyt (Denmark) (no.41 Dec. 1974—)
Coden: ECNTDF ISSN 0105-6700
EC-Nyt Issued with: *Elektronik (Denmark)*

†**Echo Rech. (France)** (no.66 Oct. 1971—)
Coden: ECRCAF ISSN 0012-9283
L'Echo des Recherches Centre National d'Etudes des Telecommunications, 38 Rue du General Leclerc, 92 131 Issy-les-Moulineaux, France

Econ. Comput. & Econ. Cybern. Stud. & Res. (Rumania) (1968—)
Coden: ECECAI ISSN 0424-267X
Economic Computation and Economic Cybernetics Studies and Research Centre of Economic Computation and Economic Cybernetics, Bucuresti, Rumania

Econ. Rev. Fed. Reserve Bank Atlanta (USA) (May 1983—)
Coden: ECRWDA
Economic Review Federal Reserve Bank of Atlanta Information Center, Federal Reserve Bank of Atlanta, P.O.Box 1731, Atlanta, GA 30301, USA

EDN (USA) (vol.21, no.11 5 June 1976—)
Coden: EDNSBH ISSN 0012-7515
EDN Cahners Publishing Co. Inc., 221 Columbus Avenue, Boston, MA 02116, USA

†**EDP Anal. (USA)** (vol.8, no.8 Aug. 1970—)
Coden: EDPAA6 ISSN 0012-7523
EDP Analyzer Canning Publications Inc., 925 Anza Avenue, Vista, CA 92083, USA

EDP Performance Rev. (USA) (vol.9, no.8 Aug. 1981—)
Coden: EDPRDQ ISSN 0091-7206
EDP Performance Review Applied Computer Research, 3003 West Northern Suite 3, Phoenix, AZ 85021, USA

†**EDPACS (USA)** (vol.7, no.7 Jan. 1980—)
Coden: EDPCDF ISSN 0736-6981
EDPACS Automation Training Center Inc., 11250 Roger Bacon Drive, Suite 17, Reston, VA 22090, USA

Educ. + Train. (GB) (vol.23, no.7 July-Aug. 1981—)
Coden: EDTRDC ISSN 0040-0912
Education + Training A.B.E. Publications, 3 Station Parade, Balham High Road, London SW12 9AZ, England

Educ. Broadcast. Int. (GB) (vol.5, no.2 June 1971—)
Coden: EBINAU
Educational Broadcasting International Title changed to: EBI (Educ. Broadcast. Int.) (GB)

Educ. Comput. (GB) (vol.1, no.8 Oct. 1980—)
Coden: EDCODK ISSN 0143-6058
Educational Computing Educational Computing Ltd., 30-31 Islington Green, London, N1, England

Educ. Stud. Math. (Netherlands) (vol.2, no.1 July 1969—)
Coden: EDSMAN ISSN 0374-308X
Educational Studies in Mathematics D. Reidel Publishing Co., P.O. Box 17, Dordrecht, Netherlands

Educ. Technol. (USA) (vol.11, no.11 Nov. 1971—)
Coden: EDTCAW ISSN 0013-1962
Educational Technology Educational Technology Publications Inc., 140 Sylvan Avenue, Englewood Cliffs, NJ 07632, USA

EDUCOM Bull. (USA) (vol.12, no.3 Autumn 1977—)
Coden: EDCMAB ISSN 0424-6268
EDUCOM Bulletin Box 364, Rosedale Road, Princeton, NJ 08540, USA

Eesti NSV Tead. Akad. Fuus. & Astron. Inst. Uurim. (USSR) (no.37 1968—)
Coden: EFASAX
Eesti NSV Teaduste Akadeemia Fuusika ja Astronoomica Instituudi Uurimused Title changed to: Eesti NSV Tead. Akad. Fuus. Inst. Uurim. (USSR)

Eesti NSV Tead. Akad. Fuus. Inst. Uurim. (USSR) (no.43 1975—)
Coden: ENTUDN ISSN 0134-627X
Eesti NSV Teaduste Akadeemia Fuusika Instituudi Uurimused Formerly: Eesti NSV Tead. Akad. Fuus. & Astron. Inst. Uurim. (USSR)
Akademii Nauk ESSR, Tallin, USSR

Egypt. Acad. Sci. Proc.
See: Proc. Egypt. Acad. Sci.

Egypt. Comput. J. (vol.7, no.1-2 June-Dec. 1979—)
Coden: ECJODE ISSN 0377-7154
Egyptian Computer Journal Cairo University, Institute of Statistical Studies and Research, P.O.Box 1017, 5 Tharwat Street, Orman, Giza, Egypt

Egypt. J. Biomed. Eng. (vol.2, no.2 1982—)
Coden: EJBEDR
Egyptian Journal of Biomedical Engineering National Information and Documentation Centre, NIDOC, Dokki, Cairo, Egypt

Eisenbahningenieur (Germany) (vol.32, no.4 April 1981—)
Coden: ESBGAP ISSN 0013-2810
Eisenbahningenieur Tetzlaff Verlag GmbH, Postfach 40 06, Havelstrasse 9, D-6100 Darmstadt 1, Germany

Eisenbahntechnik (Germany) (vol.21, no.1 Jan. 1973—)
Coden: DETEBZ ISSN 0323-3553
Eisenbahntechnik Formerly: Dtsch. Eisenbahntech. (Germany)
VEB Verlag Technik, 102 Berlin, Oranienburger Strasse 13/14, Germany

Ekon.-Mat. Obz. (Czechoslovakia) (vol.12, no.1 1976—)
Coden: EKMOBF ISSN 0013-3027
Ekonomicko-Matematicky Obzor Academia, Publishing House of the Czechoslovak Academy of Sciences, Vodickova 40, 112 29 Praha 1, Czechoslovakia

El & Energi Elektrotek. (Denmark) (vol.77, no.7 7 April 1981—)
Coden: EEELDS ISSN 0013-5879
El & Energi Elektroteknikeren Rosenorns Alle 9, 1970 Kobenhavn V, Denmark

Electr. & Electron. Tech. Eng. (GB) (vol.1, no.4 Jan. 1970—)
Coden: EETEAB
Electrical and Electronics Technician Engineer Title changed to: Electrotechnology (GB)

Electr. & Mech. Executive Eng. (GB) (vol.60, no.1 Jan.-Feb. 1980—)
Coden: EMEEDT ISSN 0264-4169
Electrical and Mechanical Executive Engineer Formerly: Executive Eng. (GB)
Association of Supervisory and Executive Engineers, Wix Hill House, West Horsley, Surrey KT24 6DZ, England

Electr. Automob. (France) (vol.26, no.387 Jan. 1972—)
Coden: ELATAA ISSN 0291-8234
L'Electricite Automobile 59 Rue du Faubourg-Poissonniere, 75009 Paris, France

Electr. Comf. Cond. J. (USA) (vol.16 Nov. 1970—)
Coden: ECCJAT
Electric Comfort Conditioning Journal Formerly: Electr. Heat. J. (USA) Title changed to: Electr. Comf. Cond. News (USA)

Electr. Comf. Cond. News (USA) (July 1974—)
Coden: ECCNDA ISSN 0362-1324
Electric Comfort Conditioning News Formerly: Electr. Comf. Cond. J. (USA)
Electrical Information Publications Inc., 2132 Fordem Avenue, Madison, WI 53701, USA

Electr. Commun. (GB) (1968—)
Coden: ELCMAX ISSN 0013-4252
Electrical Communication International Telephone & Telegraph Corp., 190 Strand, London, WC2R 1DU, England

Electr. Commun. Lab. Rev.
See: Rev. Electr. Commun. Lab. (Japan)

Electr. Commun. Lab. Tech. J. (Japan) (vol.20, no.8 1971—)
Coden: TJECAS ISSN 0415-3200
Electrical Communication Laboratories Technical Journal Nippon Telegraph and Telephone Public Corp., 1551 Kichijoji, Musashino-shi, Tokyo, Japan

Electr. Constr. & Maint. (USA) (1968—)
Coden: ECOMAU ISSN 0013-4260
Electrical Construction and Maintenance McGraw-Hill Publishing Co., 1221 Avenue of the Americas, New York, NY 10020, USA

Electr. Contract. (GB) (vol.77, no.9 Sept. 1979—)
Coden: ECTCBQ ISSN 0308-7174
Electrical Contractor Electrical Contractors' Association, ESCA House, 34 Palace Court, London W2 4HY, England

Electr. Energ.-Electron. (Portugal) (vol.25, no.175 May 1982—)
Coden: EEELET ISSN 0253-3367
Electricidade, Energia-Electronica Formerly: Electricidade (Portugal)
Empresa Editorial Electrotecnica Edel Lda., Rua Dona Estefania 48-3°, Esq., 1000 Lisboa, Portugal

Electr. Eng. (Australia) (1968—)
Coden: ELEMA9 ISSN 0013-4309
Electrical Engineer Thompson Publishing (Australia) Pty. Ltd., 47 Chippen Street, Chippendale, N.S.W. 2008, Australia

†**Electr. Eng. Jpn. (USA)** (1968—)
Coden: EENJAU ISSN 0424-7760
Electrical Engineering in Japan Scripta Publishing Corp., 1511 K Street, N.W., Washington, DC 20005, USA. English translation of Trans. Inst. Electr. Eng. Jpn. Parts A, B and C (Japan)

Electr. Eng. Rev. (Pakistan) (vol.1, no.1 April 1970—)
Coden: EERPAY ISSN 0531-8459
Electrical Engineering Review West Pakistan University of Engineering and Technology, Lahore-31, Pakistan

Electr. Equip. (GB) (vol.11, no.9 Sept. 1972—)
Coden: ELEQBM ISSN 0013-4317
Electrical Equipment Business Publications Ltd., 109-119 Waterloo Road, London, SE1 8UL, England

Electr. Heat. J. (USA) (vol.15 June 1969—)
Coden: EHEJA6
Electric Heating Journal Title changed to: Electr. Comf. Cond. J. (USA)

Electr. India (vol.9, no.4 April 1969—)
Coden: EIDAAF ISSN 0013-435X
Electrical India Indian Electrical Manufacturer's Association, 14 Sihd Prasad, Ghatkopar-Mohul Road, Tilak Nagar, P.O. Bombay 400-089, India

Electr. Mach. & Electromech. (USA) (vol.5, no.2 March-April 1980—)
Coden: EMELDG ISSN 0361-6967
Electric Machines and Electromechanics Title changed to: Electr. Mach. & Power Syst. (USA)

Electr. Mach. & Power Syst. (USA) (vol.8, no.1 Jan.-Feb. 1983—)
Coden: EMPSDO ISSN 0731-356X
Electric Machines and Power Systems Formerly: Electr. Mach. & Electromech. (USA)
Hemisphere Publishing Corp., 1010 Vermont Avenue, N.W., Suite 612, Washington, DC 20005, USA

Electr. Power Res. Inst. J.
See: EPRI J. (USA)

†**Electr. Power Syst. Res. (Switzerland)** (vol.1, no.1 Sept. 1977—)
Coden: EPSRDN ISSN 0378-7796
Electric Power Systems Research Elsevier Sequoia S.A., P.O. Box 851, CH-1001 Lausanne 1, Switzerland

Electr. Rev. (GB) (1968—)
Coden: ELREAG ISSN 0013-4384
Electrical Review IPC Electrical-Electronic Press Ltd., Dorset House, Stamford Street, London, SE1 9LU, England

Electr. Superv. (GB) (vol.51, no.7 Sept. 1971—)
Coden: ELSUAZ
Electrical Supervisor Title changed to: Executive Eng. (GB)

†**Electr. Technol. USSR (GB)** (vol.1, no.1-3 1969—)
Coden: ELTGAW ISSN 0013-4155
Electric Technology USSR [Translation of: *Elektrichestvo (USSR)*]
Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW, England

Electr. Times (GB) (1968—)
Coden: ELTIA4 ISSN 0013-4414
Electrical Times Dorset House, Stamford Street, London, SE1 9LU, England

Electr. Veh. Dev. (GB) (no.1 March 1979—)
Coden: EVDEDJ ISSN 0141-9811
Electric Vehicle Developments Institution of Electrical Engineers, Savoy Place, London WC2R 0BL, England

Electr. World (USA) (1968—)
Coden: ELWOA3 ISSN 0013-4457
Electrical World McGraw-Hill Publishing Co., 1221 Avenue of the Americas, New York, NY 10020, USA

Electra (France) (1968—)
Coden: ECTRB3 ISSN 0424-7701
Electra 112 Boulevard Hausmann, 75008 Paris, France

Electri.onics (USA) (vol.29, no.1 Jan. 1983—)
Coden: ELETDX ISSN 0745-4309
Electri.onics Formerly: Insul./Circuits (USA)
Lake Publishing Corp., 17730 West Peterson Road, P.O.Box 159, Libertyville, IL 60048, USA

Electricidade (Portugal) (no.61 Sept.-Oct. 1969—)
Coden: ELDDAB ISSN 0013-4465
Electricidade Title changed to: Electr. Energ.-Electron. (Portugal)

Electricite (Belgium) (1968—)
Coden: ELTCAK ISSN 0013-4481
Electricite. Revue de l'Union des Exploitations Electriques en Belgique Title changed to: Electricite (Belgium)

Electricite (Belgium) (no.174 June 1982—)
Coden: LCTRDE ISSN 0013-4481
Electricite Formerly: Electricite (Belgium)
Union des Exploitations Electriques en Belgique, Galerie Ravenstein 4, Bte 6, 1000 Bruxelles, Belgium

Electro-Opt. (USA) (vol.15, no.1 Jan. 1983—)
Coden: ELOPD3
Electro-Optics Merged with Laser Focus (USA) to form Laser Focus/Electro-Opt. (USA)

Electro-Opt. Syst. Des. (USA) (vol.4, no.1 Jan. 1972—)
Coden: EOSDB6 ISSN 0424-8457
Electro-Optical Systems Design

Electro-Rev. (Switzerland) (vol.61, no.51 23 Dec. 1969—)
Coden: ERVUAO ISSN 0374-3101
Electro-Revue 8027 Zurich, Splugenstrasse 6, Switzerland

Electro-Technol. (India) (1968—)
Coden: ELTEAQ ISSN 0013-4643
Electro-Technology Society of Electronic Engineers, Electronics & Radar Development Establishment, Bangalore 1, India

Electroacoustique (Belgium) (no.15 Aug. 1969—)
Coden: ELACBS ISSN 0422-888X
Electroacoustique Universite de Liege, Laboratoire d'Electroacoustique, Liege, Belgium

Electrochem. Ind. Process. & Biol. (GB) (no.6 Nov.-Dec. 1971—)
Coden: EIPBBB ISSN 0306-4832
Electrochemistry in Industrial Processing and Biology Formerly: Appl. Electr. Phenom. (USA)
[Translation of: *Elektron. Obrab. Mater. (USSR)*] Scientific Information Consultants Ltd., 661 Finchley Road, London, NW2 2HN, England

Electrochem. Soc. India J.
See: J. Electrochem. Soc. India

Electrochem. Soc. J.
See: J. Electrochem. Soc. (USA)

Electrochim. Acta (GB) (vol.14, no.8 Aug. 1969—)
Coden: ELCAAV ISSN 0013-4686
Electrochimica Acta Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

†**Electrocompon. Sci. & Technol. (GB)** (vol.1, no.1 1974—)
Coden: ECSTC5 ISSN 0305-3091
Electrocomponent Science and Technology Formerly: Thin Films (GB)
Gordon and Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England

Electrodeposition & Surf. Treat. (Switzerland) (vol.1, no.2 Nov. 1972—)
Coden: ELDPAD
Electrodeposition and Surface Treatment Title changed to: Surf. Technol. (Switzerland)

Electroencephalogr. & Clin. Neurophysiol. (Netherlands) (1968—)
Coden: ECNEAZ ISSN 0013-4694
Electroencephalography and Clinical Neurophysiology Elsevier Scientific Publishing Co., P.O. Box 211, Amsterdam, Netherlands

Electromagnetics (USA) (vol.2, no.1 Jan.-March 1982—)
Coden: ETRMDV ISSN 0272-6343
Electromagnetics Hemisphere Publishing Corp., 1025 Vermont Avenue, N.W., Washington, DC 20005, USA

Electromedica (Germany) (no.1 1973—)
Coden: ELMCBK ISSN 0013-4724
Electromedica Siemens Aktiengesellschaft, Medical Engineering Group, 8520 Erlangen, Henkestrasse 127, Germany

Electromyography & Clin. Neurophysiol. (Belgium) (vol.12, no.1 Jan.-March 1972—)
Coden: EMCNA9 ISSN 0301-150X
Electromyography and Clinical Neurophysiology Formerly: Electromyography (Belgium)
Nauwelaerts Publishing House, Muntstraat 10, Louvain, Belgium

Electromyography (Belgium) (vol.8, no.4 Nov.-Dec. 1968—)
Coden: ELMYAH
Electromyography Title changed to: Electromyography & Clin. Neurophysiol. (Belgium)

Electron (Canada) (vol.8, no.8 Aug. 1971—)
Coden: ELTNBK
Electron Title changed to: Audio Scene Can. (Canada)

†**Electron Technol. (Poland)** (vol.1, no.1 1968—)
Coden: ETNTAT ISSN 0070-9816
Electron Technology Instytut Technologii Elektronowej, Al. Lotnikow 32/46, 02-668 Warszawa, Poland

Electron. & Appl. Ind. (France) (no.230 15 Jan. 1977—)
Coden: EAINDQ
Electronique & Applications Industrielles Formerly: Electron. & Microelectron. Ind. (France). Merged with Autom. & Inf. Ind. to form Electron. Ind. (France)

Electron. & Commun.
See: Arch. Elektron. & Uebertragungstech. (Germany)

Electron. & Commun. (Canada) (vol.16, no.10 Oct. 1968—)
Coden: ECEPAN ISSN 0001-1096
Electronics and Communications Southam Business Publications Ltd., 1450 Don Mills Road, Don Mills, Ontario, Canada

Electron. & Commun. Jpn. (USA) (vol.52, no.2 Feb. 1969—)
Coden: ECOJAL ISSN 0424-8368
Electronics and Communications in Japan Scripta Publishing Corp., 1511 K Street N.W., Washington, DC 20005, USA. English translation of selected articles from Trans. Inst. Electron. & Commun. Eng. A, B, C, D, (Japan)

Electron. & Comput. Mon. (GB) (vol.3, no.1 Jan. 1983—)
Coden: ECOMDX ISSN 0264-5513
Electronics & Computing Monthly 67 High Street, Daventry, Northants. NN11 4BQ, England

Electron. & Microelectron. Ind. (France) (no.142 April 1971—)
Coden: EMCIAS
Electronique & Microelectronique Industrielles Formerly: Electron. Ind. (France). Title changed to: Electron. & Appl. Ind. (France)

Electron. & Power (GB) (1968—)
Coden: ELPWAQ ISSN 0013-5127
Electronics and Power. Journal of the Institution of Electrical Engineers Savoy Place, London, WC2R OBL, England

Electron. & Radio Tech. (GB) (vol.3, no.1 March 1969—)
Coden: ERTNAR
Electronic and Radio Technician Title changed to: SERT J. (GB)

Electron. & Wireless World (GB) (vol.89, no.1574 Nov. 1983—)
ISSN 0043-6062
Electronics & Wireless World Formerly: Wireless World (GB)
Business Press International Ltd., Quadrant House, The Quadrant, Sutton, Surrey SM2 5AS, England

Electron. Appl. (Netherlands) (1968—)
Coden: ELAPAW
Electronic Applications Title changed to: Electron. Appl. Bull. (Netherlands)

Electron. Appl. Bull. (Netherlands) (vol.31, no.1 Feb. 1972—)
Coden: EABUBA
Electronic Applications Bulletin Formerly: Electron. Appl. (Netherlands). Merged with Mullard Tech. Commun. (GB) to form Electron. Components & Appl. (Netherlands)

Electron. Aust. (Australia) (vol.31, no.3 June 1969—)
Coden: EAUSAU ISSN 0313-0150
Electronics Australia Editorial address: 57-59 Regent Street, Sydney 2008, Australia

†**Electron. Components & Appl. (Netherlands)** (vol.1, no.1 Oct. 1978—)
Coden: ECAPD6 ISSN 0141-6219
Electronic Components & Applications N.V. Philips' Gloeilampenfabrieken, Elcoma Marketing Communications, Eindhoven, Netherlands. Mullard Ltd., Technical Publications Department, New Road, Mitcham, Surrey CR4 4XY. Formed by merger of Electron. Appl. Bull. (Netherlands) and Mullard Tech. Commun. (GB)

Electron. Components (GB) (1968—)
Coden: ELCCA3
Electronic Components Title changed to: Electron. Ind. (GB)

Electron. Des. (USA) (vol.17, no.22 25 Oct. 1969—)
Coden: ELODAW ISSN 0013-4872
Electronic Design Hayden Publishing Co. Inc., 50 Essex Street, Rochelle Park, NJ 07662, USA

Electron. Electro-Optic Infrared Countermeas. (USA) (vol.1, no.1 May 1975—)
Coden: EEICDL
Electronic, Electro-Optic and Infrared Countermeasures Title changed to: Mil. Electron./Countermeas. (USA)

Electron. Eng. (GB) (1968—)
Coden: ELCEA9 ISSN 0013-4902
Electronic Engineering Morgan-Grampian (Publishers) Ltd., Morgan-Grampian House, Calderwood Street, London, SE18 6QH, England

Electron. Equip. News (GB) (Nov. 1968—)
Coden: EEQNAN ISSN 0013-4910
Electronic Equipment News Business Publications Ltd., 109/119 Waterloo Road, London SE1 8UL, England

Electron. Ind. (France) (no.1 1 Sept. 1980—)
Coden: EIDUDA ISSN 0244-903X
Electronique Industrielle Societe des Editions Radio, 9 rue Jacob, 75006 Paris, France. Formed by merger of Autom. & Inf. Ind. (France) and Electron. & Appl. Ind. (France)

Electron. Ind. (France) (1968—)
Coden: ETINAK
Electronique Industrielle Title changed to: Electron. & Microelectron. Ind. (France)

Electron. Ind. (GB) (vol.1, no.1 Sept. 1975—)
Coden: EINDD9 ISSN 0307-2401
Electronics Industry Formerly: Electron. Components (GB)
ES Publications Ltd., 46-50 Coombe Road, New Malden, Surrey KT3 4QH, England

Electron. Inf. & Plann. (India) (vol.1, no.1 Oct. 1973—)
Coden: ELIPB5 ISSN 0304-9876
Electronics Information and Planning IPAG, Electronics Commission, C-5/18 Safdarjung Development Area, New Delhi 110016, India

Electron. Learn. (USA) (vol.1, no.1 Sept.-Oct. 1981—)
Coden: ELEADA ISSN 0278-3258
Electronic Learning Scholastic Inc., 50 West 44th Street, New York, NY 10036, USA

†Electron. Lett. (GB) (1968—)
Coden: ELLEAK ISSN 0013-5194
Electronics Letters Institution of Electrical Engineers, Savoy Place, London, WC2R OBL, England

Electron. Libr. (GB) (vol.1, no.4 Oct. 1983—)
ISSN 0264-0473
Electronic Library Learned Information Ltd., Besselsleigh Road, Abingdon, Oxford OX13 6LG, England

Electron. Manuf. & Test (GB) (June 1983—)
Coden: ELMTD5 ISSN 0265-301X
Electronics Manufacture & Test Conway Kent Publishing Ltd., 33 Albion Place, Maidstone, Kent ME14 5DZ, England

Electron. Packag. & Prod. (Int. Ed.) (USA) (vol.8, no.10 Oct. 1968—)
Coden: ELPPA5
Electronic Packaging and Production Title changed to: Electron. Prod. Methods & Equip. (GB)

Electron. Packag. & Prod. (USA) (vol.17, no.4 April 1977—)
Coden: ELPPA5 ISSN 0013-4945
Electronic Packaging and Production Milton S. Kiver Publications Inc., 222 West Adams Street, Chicago, IL 60606, USA

Electron. Prod. (GB) (vol.6, no.4 May 1977—)
Coden: ELPDB4 ISSN 0306-333X
Electronic Production Formerly: Electron. Prod. Methods & Equip. (GB)
Kiver-Patterson Publishing, 322 St. John Street, London EC1, England

Electron. Prod. Des. (GB) (vol.1, no.2 May 1980—)
Coden: EPDEDB ISSN 0360-1307
Electronic Product Design Techpress Publishing Co. Ltd., Walton House, 93 High Street, Bromley, Kent BR1 1JW, England

Electron. Prod. Methods & Equip. (GB) (vol.2, no.4 May 1973—)
Coden: ELPDB4
Electronic Production Methods and Equipment Formerly: Electron. Packag. & Prod. (Int. Ed.) (USA) Title changed to: Electron. Prod. (GB)

Electron. Prog. (USA) (vol.12, no.3—)
Coden: ELTPAP ISSN 0013-4961
Electronic Progress Raytheon Co., Lexington, MA 02173, USA

Electron. Publ. Rev. (GB) (vol.1, no.1 March 1981—)
Coden: EPURDX ISSN 0260-6658
Electronic Publishing Review Learned Information Ltd., Besselsleigh Road, Abingdon, Oxford OX13 6LG, England

Electron. Rep. (Ireland) (vol.1, no.1 Nov. 1981—)
Coden: ELERDR ISSN 0332-3544
Electronics Report Computer Publications of Ireland Ltd., 'Birchdale', Cherrywood Road, Loughlinstown, Co. Dublin, Ireland

Electron. Sound + RTE (Switzerland) (vol.5, no.9 Sept. 1982—)
Coden: ESRTDB ISSN 0254-4350
Electronic Sound + RTE Formerly: RTE (Switzerland)
AT Fachschriftenverlag Electronic Sound, Bahnhofstrasse 39-43, CH-5001 Aarau, Switzerland

Electron. Syst. News (GB) (May 1983—)
Coden: ESNWDY ISSN 0265-0096
Electronic Systems News Institution of Electrical Engineers, Savoy Place, London WC2R OBL, England

Electron. Technol. (GB) (vol.12, no.1 Jan. 1978—)
Coden: ETSTDN ISSN 0141-061X
Electronic Technology Formerly: SERT J. (GB)
Society of Electronic and Radio Technicians, 57-61 Newington Causeway, London SE1 6BL, England

Electron. Test (USA) (vol.2, no.2 Feb. 1979—)
Coden: ELTEDT ISSN 0164-9620
Electronics Test Benwill Publishing Corp., 1050 Commonwealth Avenue, Boston, MA 02215, USA

Electron. Today (India) (vol.1, no.5 Dec. 1968—)
Coden: ETAYAD ISSN 0374-3063
Electronics Today 4-A Naaz Bldg., Lamington Road, Bombay-4, India

Electron. Today Int. (GB) (Dec. 1977—)
Coden: ETINDN ISSN 0142-7229
Electronics Today International Argus Specialist Publications Ltd., 145 Charing Cross Road, London WC2H 0EE, England

Electron. Warf. Def. Electron. (USA) (vol.10, no.6 June 1978—)
Coden: EWDEDQ
Electronic Warfare Defense Electronics Title changed to: Def. Electron. (USA)

Electronics (USA) (1968—)
Coden: ELECAD ISSN 0013-5070
Electronics McGraw-Hill Publishing Co., 1221 Avenue of the Americas, New York, NY 10020, USA

Electrophotography (Japan) (vol.11, no.2 1972—)
Coden: ELPYAW ISSN 0422-9215
Electrophotography Society of Electrophotography of Japan, Tokyo, Japan

Electroplat. & Met. Finish. (GB) (vol.23, no.2 Feb. 1970—)
Coden: EMFIA9
Electroplating and Metal Finishing Merged into: Finish. Ind. (GB)

Electrotech. Lab. Bull.
See: Bull. Electrotech. Lab. (Japan)

Electrotech. Lab. Circ.
See: Circ. Electrotech. Lab. (Japan)

Electrotech. Lab. Res.
See: Res. Electrotech. Lab. (Japan)

Electrotechnology (GB) (vol.1, no.1 Jan. 1973—)
Coden: ETNYBB ISSN 0306-8552
Electrotechnology Formerly: Electr. & Electron. Tech. Eng. (GB)
Institution of Electrical and Electronics Technician Engineers, 2 Savoy Hill, London, WC2R OBS, England

Electroteh. Electron. & Autom. Autom. & Electron. (Rumania) (vol.19, no.1 March 1975—)
Coden: EAAEDR ISSN 0254-2242
Electrotehnica, Electronica si Automatica. Automatica si Electronica Formerly: Autom. & Electron. (Rumania)
O.I.D.-M.I.C.M.U.E., Bucuresti, Calea Victoriei nr. 133, Rumania

†Electroteh. Electron. & Autom. Electroteh. (Rumania) (vol.23, no.1 Jan. 1975—)
Coden: EEAEDL ISSN 0376-4745
Electrotehnica, Electronica si Automatica. Electrotehnica Formerly: Electrotehnica (Rumania)
O.I.D.-M.I.C.M.U.E., Bucuresti, Calea Victoriei nr. 133, Rumania

Electrotehnica (Rumania) (1968—)
Coden: ELTTA3
Electrotehnica Title changed to: Electroteh. Electron. & Autom. Electroteh. (Rumania)

Elektor (GB) (vol.1, no.2 1975—)
Coden: ELEKD6 ISSN 0308-308X
Elektor Elektor Publishers Ltd., Elektor House, 10 Longport, Canterbury CT1 1PE, England

Elektr. & Teplovoznaya Tyaga (USSR) (no.12 Dec. 1968—)
Coden: ETTYA6 ISSN 0422-9274
Elektricheskaya i Teplovoznaya Tyaga Editorial Address: 107140 Moskva B-140, Krasnoprualnaya ul., 22/24, rep. 262-12-32, USSR

Elektr. Bahnen (Germany) (1968—)
Coden: ELBAAQ ISSN 0013-5437
Elektrische Bahnen R. Oldenbourg Verlag GmbH, 8 Munchen 80, Rosenheimer Strasse 145, Germany

Elektr. Energ.-Tech. (Germany) (vol.26, no.1 Jan. 1981—)
Coden: EETEDE ISSN 0170-2033
Elektrische Energie-Technik Dr. Alfred Huthig Verlag GmbH, Im Weiher 10, Postfach 10 28 69, 6900 Heidelberg 1, Germany

Elektr. Masch. (Germany) (vol.48, no.7 July 1969—)
Coden: ELMCAJ ISSN 0013-5445
Elektrische Maschinen Huthig & Pflaum Verlag GmbH & Co., 69 Heidelberg 1, Wilckenstrasse 3-5, Germany

Elektr. Stantsii (USSR) (1968—)
Coden: EKSTAP ISSN 0201-4564
Elektricheskie Stantsii Editorial address: B.Cherkasskii per 2, Moskva K-12, USSR [English translation in: *Sov. Power Eng. (USA)*]

†Elektrichestvo (USSR) (1968—)
Coden: ELEKA3 ISSN 0013-5380
Elektrichestvo Editorial address: B.Cherkasskii per 2, Moskva K-12, USSR [English translations of selected articles in:*Electr. Technol. USSR (GB)*]

†Elektrie (Germany) (1968—)
Coden: EKTRAO ISSN 0013-5399
Elektrie Kammer der Technik, Fachverband Elektrotechnik Publication address: VEB Verlag Technik, Oranienburger Strasse 13-14, Berlin 102, Germany

Elektrizitaet (Germany) (vol.19, no.12 Dec. 1969—)
Coden: EZABAK
Elektrizitat Title changed to: Strompraxis (Germany)

Elektrizitaetsverwertung (Switzerland) (1968—)
Coden: EKZVAW ISSN 0013-5488
Elektrizitatsverwertung (L'Electrique Electrical Service) Elektrowirtschaft, Victoriahaus, Bahnhofplatz 9, Postfach 2272, 8023 Zurich, Switzerland

Elektrizitaetswirtschaft (Germany) (1968—)
Coden: EKZWAZ ISSN 0013-5496
Elektrizitatswirtschaft VDEW, Stresemannallee 23, 6000 Frankfurt (Main) 70, Germany

Elektro (Norway) (vol.86, no.2 25 Jan. 1973—)
Coden: EEROAV ISSN 0013-550X
Elektro Formerly: Elektrotek. Tidsskr. (Norway)
Ingeniorsforlaget A/S, Ingeniorenes Hus, Kronprinsensgt. 17, Boks 2476, Oslo 2, Norway

Elektro Med. Biomed. & Tech. (Germany) (vol.15, no.5 Sept. 1970—)
Coden: ELMDAM
Elektro Medizin. Biomedizin und Technik Title changed to: Biomed. Tech. (Germany)

Elektro Prom.-st. & Priborostr. (Bulgaria) (no.1 1972—)
Coden: ELPBAV ISSN 0013-5763
Elektro Promishlenost i Priborostroene Poshcenska Kutiya 98, UL 'Ivan Vazov 16, Sofiya 1080, Bulgaria

Elektro-Anz. (Germany) (vol.21, no.12 18 Sept. 1968—)
Coden: EKANAJ ISSN 0013-5518
Elektro-Anzeiger W. Girardet, 43 Essen, Giradetstrasse 2-38, Postfach 9, Germany

Elektro-Jahr (Germany) (Jan. 1981—)
Coden: ELJADZ
Elektro-Jahr Issued with: *Elektrotechnik (Germany)*

Elektro-Monteur (Switzerland) (vol.19, no.3 April 1968—)
Coden: EMONAZ
Elektro-Monteur Title changed to: Elektrotechnik (Switzerland)

Elektrokhimiya (USSR) (vol.7, no.7 1971—)
Coden: ELKKAX
Elektrokhimiya Institut-Elektrokhimii. Akademiya Nauk SSSR, Moskva-V71, Leninskii Prospekt 31, USSR [English translation in: *Sov. Electrochem. (USA)*]

Elektromeister & Dtsch. Elektrohandwerk (Germany) (vol.21, no.22 25 Nov. 1968—)
Coden: EMDEAL ISSN 0012-1258
Elektromeister & Deutsches Elektrohandwerk Huthig & Pflaum Verlag, 8 Munchen 19, Lazarettstrasse 4, Germany

Elektron Int. (Austria) (no.21-22 1969—)
Coden: EKITA9 ISSN 0374-3098
Das Elektron International 'Elektron'-Verlag, Postfach 156, A-4010 Linz-Donau, Austria

Elektron. Anz. (Germany) (vol.3, no.3 1971—)
Coden: EANZAG ISSN 0013-5666
Elektronik Anzeiger Title changed to: Elektron. Appl. (Germany)

Elektron. Appl. (Germany) (vol.12, no.10 Oct. 1980—)
Coden: EAPPDX ISSN 0720-101X
Elektronik Applikation Formerly: Elektron. Anz. (Germany)
W. Girardet, Fachzeitschriftenverlag GmbH, Girardetstrasse 2-38, Postfach 10 13 65, 4300 Essen 1, Germany

Elektron. Datenverarb. (Germany) (vol.10, no.6 Sept. 1968—)
Coden: ELDAA2
Elektronische Datenverarbeitung Title changed to: Angew. Inf. (Germany)

Elektron. Entwickl. (Germany) (vol.13, no.10 Oct. 1978—)
Coden: ELEEDM ISSN 0172-6153
Elektronik Entwicklung Formerly: Bauelem. Elektrotech. (Germany)
Verlag fur Technik und Wirtschaft Meynen KG, Postfach 5769, D-6200 Wiesbaden, Germany

Elektron. Heute (Germany) (no.16 April 1979—)
Coden: ELHED3 ISSN 0171-4198
Elektronik Heute Kontron Elektronik GmbH, 8057 Eching bei Munchen, Breslauer Strasse 2, Germany

Elektron. Ind. (Germany) (vol.1, no.6 Dec. 1970—)
Coden: EKIDAT ISSN 0374-3144
Elektronik Industrie Elektro-Welt Verlag DR. Huthig, 6900 Heidelberg 1, Wilckensstrasse 3-5, Postfach 102869, Germany

†Elektron. Informationsverarb. Kybern. (Germany) (1968—)
Coden: EIVKAX ISSN 0013-5712
Elektronische Informationsverarbeitung und Kybernetik (EIK) Akademie-Verlag, DDR 108 Berlin, Leipziger Strasse 3-4, Germany

Elektron. J. (Germany) (vol.6, no.12 Dec. 1971—)
Coden: EKTJAY ISSN 0013-5674
Elektronik Journal Europa Fachpresse Verlag GmbH, 8 Munchen 40, Leopoldstrasse 175, Germany

Elektron. Model. (USSR) (no.1 Jan.-Feb. 1980—)
Coden: ELMODO ISSN 0204-3572
Elektronnoe Modelirovanie Izdatel'stvo 'Naukova Dumka', 252601 Kiev GSP, Ul. Repina 3, USSR

Elektron. Obrab. Mater. (USSR) (no.4 July-Aug. 1967—)
Coden: EOBMAF ISSN 0013-5739
Elektronnaya Obrabotka Materialov Academy of Sciences of the Moldavian SSR, Agent: Mezhdunarodnaya Kniga, Moskva G 200, USSR [English translation in: *Electrochem. Ind. Process. & Biol. (GB)*]

Elektron. Prax. (Germany) (vol.11, no.6 June 1976—)
Coden: EKPXAM ISSN 0341-5783
Elektronik Praxis Vogel-Verlag KG, Max Plank-Strasse 7/9, 8700-Wurzburg, Germany

Elektron. Rechenanlagen (Germany) (1968—)
Coden: ELRAA4 ISSN 0013-5720
Elektronische Rechenanlagen R. Oldenbourg Verlag GmbH, 8 Munchen 80, Rosenheimerstrasse 145, Germany. Incorporates Comput. Prax. (Germany)

Elektron. Tekh. Ser. 12 (USSR) (no.4 1970—)
Coden: ETUKA3
Elektronnaya Tekhnika. Seriya 12 Ministerstvo Elektronnoy Promishlennosti SSSR, Institut 'Elektronika', Moskva, USSR

Elektronica (Netherlands) (vol.29, no.7 8 April 1981—)
Coden: LKTNDO ISSN 0033-7854
Elektronica Formerly: Radio Elektron. (Netherlands)
Kluwer Technische Tijdschriften B.V., Postbus 23, 7400 GA Deventer, Netherlands

Elektronik (Denmark) (vol.13, no.1 Jan. 1972—)
Coden: ELKOAB ISSN 0013-5631
Elektronik Teknisk Forlag A/S, Skelbaekgade 4, 1717 Kobenhavn V, Denmark

Elektronik (Germany) (1968—)
Coden: EKRKAR ISSN 0013-5658
Elektronik Franzis-Verlag GmbH, 8 Munchen 37, Postfach 3701 20, Karlstrasse 37, Germany

Elektronika (Poland) (vol.11, no.2 1970—)
Coden: EKNTBZ ISSN 0033-2089
Elektronika Formerly: Przegl. Elektron. (Poland)
Editorial address: Al. Swierczewskiego, 95/99, M. 43, III p., 00-144, Warszawa, Poland

Elektroniker (Switzerland) (vol.7, no.5 Sept. 1968—)
Coden: ELKRBL ISSN 0374-3020
Der Elektroniker Aargauer Tagblatt AG, 5001 Aarau, Switzerland

Elektronikschau (Austria) (vol.53, no.1 1977—)
Coden: ELTRDY ISSN 0254-4318
Elektronikschau Formerly: Radio Elektron. Schau (Austria)
Technisher Verlag Erb Ges. m.b.H., A-1061 Wien 6, Mariahilfer Strasse 71, Postfach 101, Austria

Elektroprivreda (Yugoslavia) (1968—)
Coden: EKPVAG ISSN 0013-5755
Elektroprivreda Yugoslav Electricity Union and the Association of Yugoslav Electrical Industry. Editorial address: Balkanska 13-15, Beograd, Yugoslavia

†Elektrosvyaz (USSR) (1968—)
Coden: EKVZAO ISSN 0013-5771
Elektrosvyaz Ministerstvo svyazi SSR, USSR [English translation in: *Telecommun. & Radio Eng. Part 1 (USA)*]

Elektrotech. & Maschinenbau (EuM) (Austria) (1968—)
Coden: EKMBA9 ISSN 0012-8058
Elektrotechnik und Maschinenbau Springer Verlag, 1A-1011 Wien, Molkerbastei 5, Postfach 367, Austria

Elektrotech. Cas. (Czechoslovakia) (1968—)
Coden: ELKCA9 ISSN 0013-578X
Elektrotechnicky Casopis 89530 Bratislava, Klemensova 19, Czechoslovakia

†Elektrotech. Obz. (Czechoslovakia) (1968—)
Coden: EKOBAJ ISSN 0013-5798
Elektrotechnicky Obzor SNTL, 11302 Praha 1, Spalena ul. 51, Czechoslovakia

Elektrotech. Z. ETZ (Germany) (vol.100, no.1 Jan. 1979—)
Coden: EELZD3 ISSN 0341-1362
Elektrotechnische Zeitschrift ETZ VDE-Verlag GmbH, Bismarkstrasse 33, D-1000 Berlin 12, Germany. Formed by merger of Electrotech. Z. ETZ A (Germany) and Electrotech. Z. ETZ B (Germany)

Elektrotech. Z. ETZ A (Germany) (1968—)
Coden: EKZAA3
Elektrotechnische Zeitschrift ETZ A Merged with Electrotech. Z. ETZ B (Germany) to form Elektrotech. Z. ETZ (Germany)

Elektrotech. Z. ETZ B (Germany) (1968—)
Coden: EKZBA6
Elektrotechnische Zeitschrift ETZ B Merged with Electrotech. Z. ETZ. A (Germany) to form Elektrotech. Z. ETZ (Germany)

Elektrotechniek (Netherlands) (1968—)
Coden: ELTKAA ISSN 0013-5801
Elektrotechniek Eendrachtstraat 2, Postbus 6, 7940 AA Meppel, Netherlands

Elektrotechnik (Czechoslovakia) (1968—)
Coden: EKTRBP ISSN 0013-581X
Elektrotechnik SNTL, 111302 Praha 1, Spalena ul. 51, Czechoslovakia

Elektrotechnik (Germany) (vol.52, no.3 4 Feb. 1970—)
Coden: EKTCBE ISSN 0013-581X
Elektrotechnik Vogel-Verlag KG, Max-Planck-Strasse 7-9, 8700 Wurzburg, Germany

Elektrotechnik (Switzerland) (vol.27, no.8 Nov. 1976—)
Coden: EKTKD6 ISSN 0013-581X
Elektrotechnik Formerly: Elektro-Monteur (Switzerland)
Verlags-Aktiengesellschaft, verlag "Elektrotechnik", Apfelhausenweg 14, Postfach 68, 5001 Aarau, Switzerland

†Elektrotechnika (Hungary) (1968—)
Coden: EKTTAU ISSN 0367-0708
Elektrotechnika Kultura, H-1389 Budapest, P.O. Box 149, Hungary

†Elektroteh. Vestn. (Yugoslavia) (1968—)
Coden: ELVEA2 ISSN 0013-5852
Elektrotehniski Vestnik Editorial address: YU-61001 Ljubljana, P.O. Box 92 - II, Trzaska 25, Yugoslavia

†Elektrotehnika, Zagreb (Yugoslavia) (1968—)
Coden: ELTHB2 ISSN 0013-5844
Elektrotehnika Elektrotechnicko Drustvo Hrvatske, Zagreb, Bevislavicerva 6, Ikat, Soba br. 20, Yugoslavia

Elektrotek. Tidsskr. (Norway) (1968—)
Coden: ETTDAB
Elektroteknisk Tidsskrift Title changed to: Elektro (Norway)

Elektrotekhnika (USSR) (1968—)
Coden: ELKTAQ ISSN 0013-5860
Elektrotekhnika Izdatel'stvo 'Energiya', 113114 Moskva, M-114 Shlyuzovaya Nab., 10, USSR [English translation in: *Sov. Electr. Eng. (USA)*]

Elektrowaerme (Germany) (1968—)
Coden: ELWIBK
Internationale Zeitschrift fur Elektrowarme Journal split into Elektrowaerme Int. Ed. A (Germany) and Elektrowaerme Int. Ed. B (Germany)

Elektrowaerme Int. Ed. A (Germany) (vol.30, no.A1 Jan. 1972—)
Coden: ELWIBK
Elektrowarme International, Edition A Title changed to: ETA Elektrowaerme Tech. Ausbau Ed. A (Germany)

†Elektrowaerme Int. Ed. B (Germany) (vol.30, no.B1 Feb. 1972—)
Coden: ELWIBK ISSN 0340-3521
Elektrowarme International, Edition B Vulkan-Verlag Dr. W. Classen Nachf. GmbH & Co. KG, D43 Essen, Haus der Technik, Postfach 7049, Germany. Supersedes in part: Elektrowaerme (Germany)

Elettrificazione (Italy) (vol.11 Nov. 1969—)
Coden: ELTZAL ISSN 0013-6093
Elettrificazione Editoriale Delfino, Via S. d'Orsenigo 25, 20135 Milano, Italy

Elettron. & Telecomun. (Italy) (1968—)
Coden: ETTCB9 ISSN 0013-6123
Elettronica e Telecomunicazioni Via Arsenale 41, 10121 Torino, Italy

Elettron. Oggi (Italy) (Nov. 1976—)
Coden: ELOGDA ISSN 0391-6391
Elettronica Oggi Jackson Italiana Editrice S.r.l., P. Le Massari, 22, 20125 Milano, Italy

Elettrotecnica (Italy) (1968—)
Coden: ETRTAF ISSN 0013-6131
Elettrotecnica Ufficio Centrale AEI, Viale Monza 259, 20126 Milano, Italy

†Elin-Z. (Austria) (1968—)
Coden: ELNZAP ISSN 0302-2560
Elin-Zeitschrift Elin Union, A-1141 Wien XIV, Penzinger Strasse 76, Austria

Eltek. Aktuell Elektron. (Sweden) (vol.21, no.1 19 Jan. 1978—)
Coden: ETAEBM ISSN 0346-6310
Elteknik med Aktuell Elektronik Formerly: Eltek. Aktuell Elektron. A (Sweden)
Ingenjorsforlaget AB, Box 27315, 102 54 Stockholm, Sweden

Eltek. Aktuell Elektron. A (Sweden) (vol.15, no.11 Nov. 1972—)
Coden: ETAEBM
Elteknik med Aktuell Elektronik Edition A Formerly: Elteknik (Sweden) Title changed to: Eltek. Aktuell Elektron. (Sweden)

Elteknik (Sweden) (1968—)
Coden: ETKKAL
Elteknik Title changed to: Eltek. Aktuell Elektron. A (Sweden)

Endeavour (GB) (1968—)
Coden: ENDEAS
Endeavour Title changed to: Endeavour New Ser. (GB)

Endeavour New Ser. (GB) (vol.1, no.1 1977—)
Coden: ENDEAS ISSN 0013-7162
Endeavour, New Series Formerly: Endeavour (GB)
Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 0BW, England

Energ. & Atomtech. (Hungary) (vol.22, no.6 June 1969—)
Coden: ENATAO ISSN 0013-7316
Energia es Atomtechnika Kiadja a Lapkiado Vallalat, Budapest VII, Lenin Korut 9-11, Hungary

Energ. Elettr. (Italy) (vol.58, no.1 Jan. 1981—)
Coden: ENELAK ISSN 0013-7308
Energia Elettrica AEI-Associazione Elettrotecnica ed Elettronica Italiana, Viale Monza 259, 20126 Milano, Italy. Formed by merger of Energ. Elettr. A (Italy) and Energ. Elettr. B (Italy)

Energ. Elettr. A (Italy) (vol.57, no.11 Nov. 1980—)
Coden: ENELAK
Energia Elettrica A Merged with Energ. Elettr. B (Italy) to form Energ. Elettr. (Italy)

Energ. Elettr. B (Italy) (vol.57, no.8 Aug. 1980—)
Coden: ENELAK
Energia Elettrica B Merged with Energ. Elettr. A (Italy) to form Energ. Elettr. (Italy)

Energ. Fluide & Lubr. Hydraul. Pneum. Asservissements (France) (1968—)
Coden: EFHPAP
Energie Fluide et Lubrification + Hydraulique Pneumatique Asservissements Formerly: Hydraul. Pneum. Asservissements (France) Title changed to: Energ. Fluide (France)

Energ. Fluide (France) (no.58 Feb. 1973—)
Coden: ENFLAP ISSN 0291-8331
Energie Fluide Formerly: Energ. Fluide & Lubr. Hydraul. Pneum. Asservissements (France)
Compagnie Francais d'Editions, 40 rue Colisee, 75381 Paris Cedex 08, France

Energetica (Rumania) (1968—)
Coden: EGTAAD ISSN 0423-1082
Energetica Editorial address: Bucuresti, Bd. Energeticienilor 8 Sectorul 4, Rumania

Energetik (USSR) (1968—)
Coden: EGTKA9 ISSN 0013-7278
Energetik Editorial address: 109068 Moskva, Ul. Avtozavodskaya, 14/23, USSR

Energetika (Czechoslovakia) (1968—)
Coden: EGKAA2 ISSN 0375-8842
Energetika SNTL, 11302 Praha 1, Spalena ul. 51, Czechoslovakia

Energetyka (Poland) (1968—)
Coden: EGYAA4 ISSN 0013-7294
Energetyka Subscription Address: Wydawnictwo NOT, UL. Mazowieckiej 12, 00-048 Warszawa, Poland

Energia Nuclear (Spain) (vol.16, no.75 Jan.-Feb. 1972—)
Coden: ENNCA4 ISSN 0013-7324
Energia Nuclear Junta de Energia Nuclear, Avda. Complutense 22, Ciudad Universitaria, Madrid-3, Spain

Energie (Germany) (vol.21, no.6 June 1969—)
Coden: ENERA4 ISSN 0013-7359
Energie Technischer Verlag Resch KG, 8032 Grafelfing, Postfach 1129, Germany

Energiespectrum (Netherlands) (vol.1, no.1 Jan. 1977—)
Coden: NRGSDB ISSN 0165-2117
Energiespectrum Formerly: Atoomenerg. Toepass. (Netherlands)
Energieonderzoek Centrum Nederland, Scheveningseweg 112, Den Haag, Netherlands

Energietechnik (Germany) (1968—)
Coden: ETNKA2 ISSN 0013-7421
Energietechnik VEB Deutscher Verlag fur Grundstoffindustrie, Karl-Heine-Strasse 27, 7031 Leipzig, Germany

Energiewirtsch. Tagesfragen (Germany) (vol.19, no.11 Nov. 1969—)
Coden: EWTFA4 ISSN 0013-743X
Energiewirtschaftliche Tagesfragen Energiewirtschaft und Technik Verlagsgesellschaft mbH, 8032 Grafelfing, Postfach 1229, Germany

Energija (Yugoslavia) (vol.18, no.3-4 1969—)
Coden: ENJAAC ISSN 0013-7448
Energija Zagreb, Ulica Proletenskih Brigada 37, Post pretinae 293, Yugoslavia

Energy & Build. (Switzerland) (vol.2, no.3 Aug. 1979—)
Coden: ENEBDR ISSN 0378-7788
Energy and Buildings Elsevier Sequoia S.A., P.O. Box 851, 1001 Lausanne 1, Switzerland

Energy (GB) (vol.1, no.1 March 1976—)
Coden: ENEYDS ISSN 0360-5442
Energy Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Energy Commun. (USA) (vol.1, no.1 1975—)
Coden: ENCODM ISSN 0097-8159
Energy Communications Marcel Dekker Inc., 270 Madison Avenue, New York, NY 10016, USA

Energy Convers. & Manage. (GB) (vol.20, no.1 1980—)
Coden: ECMADL ISSN 0196-8904
Energy Conversion and Management Formerly: Energy Convers. (GB)
Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW, England

Energy Convers. (GB) (1968—)
Coden: ENERB5 ISSN 0013-7480
Energy Conversion Formerly: Adv. Energy Convers. (GB) Title changed to: Energy Convers. & Manage. (GB)

Energy Dev. (Germany) (no.1 April 1977—)
Coden: EDEVDH ISSN 0342-5665
Energy Developments Technischer Verlag Resch KG, Postfach 1129, D-8032 Grafelfing/Munchen, Germany

Energy Dev. Jpn. (USA) (vol.2, no.3 Jan. 1980—)
Coden: EDJADD ISSN 0161-8091
Energy Developments in Japan Rumford Publishing Co. Inc., Box 5370, Chicago, IL 60680, USA

Energy Eng. (USA) (vol.79, no.1 1982—)
Coden: EENGDO ISSN 0199-8595
Energy Engineering 4025 Pleasantdale Business Center, Atlanta, GA 30340, USA

Energy Int. (USA) (1968—)
Coden: ENEIBC
Energy International Title changed to: Mod. Power Syst. (USA)

Energy J. (New Zealand) (vol.54, no.4 April 1981—)
Coden: EJOUD4 ISSN 0111-5839
Energy Journal Formerly: N.Z. Energy J. (New Zealand)
Technical Publications (UK) Ltd., P.O.Box 14-116, Panmure, Auckland, New Zealand

Energy Policy (GB) (vol.1, no.1 June 1973—)
Coden: ENPYAC ISSN 0301-4215
Energy Policy Butterworths Scientific Ltd., Journals Division, P.O.Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England

Energy Sources (USA) (vol.1, no.1 Fall 1973—)
Coden: EGYSAO ISSN 0090-8312
Energy Sources Crane, Russak & Co. Inc., 3 East 44th Street, New York, NY 10017, USA

Energy Syst. & Policy (USA) (vol.1, no.1 Fall 1974—)
Coden: ESYPBW ISSN 0090-8347
Energy Systems and Policy Crane, Russak & Co. Inc., 3 East 44th Street, New York, NY 10017, USA

Eng. & Technol. (Japan) (vol.7, no.2 1981—)
Coden: KTGIAR ISSN 0454-1405
Engineering & Technology Formerly: Kogaku to Gijutsu (Japan)
Kogakkai, Kansai University, Faculty of Engineering, Senriyama, Suita-shi, 564 Osaka, Japan

Eng. Comput. (GB) (vol.1, no.1 May 1982—)
Coden: ENGCD6 ISSN 0263-4759
Engineering Computers Innopress Ltd., 1 Copers Cope Road, Beckenham, Kent BR3 1NB, England

Eng. Costs & Prod. Econ. (Netherlands) (vol.7, no.3 Sept. 1983—)
Coden: ECPEDE ISSN 0167-188X
Engineering Costs and Production Economics Elsevier Science Publishers B.V., P.O.Box 330, 1000 AH Amsterdam, Netherlands

†**Eng. Cybern. (USA)** (1968—)
Coden: ENCYAF ISSN 0013-788X
Engineering Cybernetics [Translation of: *Tekh. Kibern. (USSR)*] Scripta Publishing Corp., 1511 K Street N.W., Washington, DC 20005, USA

Eng. Dig. (GB) (vol.37, no.10 Oct. 1976—)
Coden: ENDGAY ISSN 0013-8169
Engineers' Digest 120 Wigmore Street, London, W1 1YZ, England

Eng. Econ. (USA) (vol.14, no.3 Spring 1969—)
Coden: ENECAR ISSN 0013-791X
Engineering Economist American Society for Engineering Education, Engineering Education Division, 300 West Chestnut Street, Ephrata, PA 17522, USA

†**Eng. Fract. Mech. (GB)** (1968—)
Coden: EFMEAH ISSN 0013-7944
Engineering Fracture Mechanics Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Eng. J. (Canada) (1968—)
Coden: ENJOAK ISSN 0013-8010
Engineering Journal Engineering Institute of Canada, 700 EIC Building, 2050 Mansfield Street, Montreal 110, Quebec H3A 1Y9, Canada

Eng. Manage. Int. (Netherlands) (vol.1, no.1 July 1981—)
Coden: EMIND8 ISSN 0167-5419
Engineering Management International Elsevier Scientific Publishing Co., P.O.Box 330, 1000 AH Amsterdam, Netherlands

Eng. Mater. & Des. (GB) (vol.14, no.9 Oct. 1971—)
Coden: EMTDAU ISSN 0308-6917
Engineering Materials & Design IPC Industrial Press Ltd., Quadrant House, The Quadrant, Sutton, Surrey SM2 5AS, England

Eng. Med. (GB) (vol.2, no.4 Oct. 1973—)
Coden: EGMDAL ISSN 0046-2039
Engineering in Medicine Institution of Mechanical Engineers, 1 Birdcage Walk, London, SW1H 9JJ, England

Eng. Optimization (GB) (vol.1, no.1 1974—)
Coden: EGOPAX ISSN 0305-215X
Engineering Optimization Gordon and Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England

Engineer (GB) (vol.245, no.6344 27 Oct. 1977—)
Coden: ENGIAL ISSN 0013-7758
Engineer Morgan-Grampian (Publishers) Ltd., Morgan-Grampian House, Calderwood Street, London SE18 6QH, England

Engineering (GB) (vol.122, no.10 Oct. 1981—)
Coden: ENGNA2 ISSN 0013-7782
Engineering Design Council, 28 Haymarket, London SW1Y 4SU, England

Entropie (France) (vol.9, no.49 Jan.-Feb. 1973—)
Coden: ENTPA5 ISSN 0013-9084
Entropie Editions Bartheye & Co., 54 avenue Marceau, F-75008 Paris, France

Entwicklungsber. Siemens & Halske (Germany) (1968—)
Coden: ESHKAX
Entwicklungsberichte der Siemens und Halske Aktiengesellschaft, Title changed to: Siemens Forsch.- & Entwicklungsber. (Germany)

Environ. & Exp. Bot. (GB) (vol.18, no.1 Feb. 1978—)
Coden: EEBODM ISSN 0098-8472
Environmental and Experimental Botany Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Environ. Eng. (GB) (1968—)
Coden: ENENBR
Environmental Engineering Title changed to: J. Soc. Environ. Eng. (GB)

Environ. Monit. & Assess. (Netherlands) (vol.1, no.1 1981—)
Coden: EMASDH ISSN 0167-6369
Environmental Monitoring and Assessment D. Reidel Publishing Co., P.O.Box 17, 3300 AA Dordrecht, Netherlands

Environ. Sci. & Technol. (USA) (vol.13, no.6 June 1979—)
Coden: ESTHAG ISSN 0013-936X
Environmental Science and Technology American Chemical Society, 1155 16th Street, N.W., Washington, DC 20036, USA

EOQC Qual. (Switzerland) (vol.22, no.4 1978—)
Coden: EOQUDF ISSN 0033-5169
EOQC Quality EOQC Secretariat, c/o ATAG, Department of Information and Technical Associations , P.O. Box 2613, CH-3001 Berne, Switzerland

EOS Trans. Am. Geophys. Union (USA) (vol.54, no.8 Aug. 1973—)
Coden: EOSTAJ ISSN 0096-3941
EOS Transactions of the American Geophysical Union 2000 Florida Avenue, N.W., Washington, DC 20009, USA

EPE (Belgium) (vol.14, no.2 1979—)
Coden: RETPAH ISSN 0556-7734
EPE U.R.T.B., rue des Champs Elysees 43, B-1050 Brussels, Belgium

EPRI J. (USA) (vol.5, no.7 Sept. 1980—)
Coden: EPRJDS ISSN 0362-3416
EPRI Journal Electric Power Research Institute, P.O.Box 10412, Palo Alto, CA 94303, USA

Equip. Ind. Achats & Entretien (France) (vol.22, no.247 Oct. 1973—)
Coden: EIAEDF ISSN 0396-6666
Equipement Industriel Achats et Entretien Formerly: Achats & Entretien Mater. Ind. (France)
Les Nouvelles du Monde, 13 rue de Liege, 75009 Paris, France

ERA (Sweden) (1968—)
Coden: ERAFAA ISSN 0013-9939
ERA Foreningen for Elektricitetens Rationella Anvandning. Norrtullsgatan 6, Box 6405, 113 82 Stockholm, Sweden

Ercole Marelli (Italy) (vol.51, no.1-2 1977—)
Coden: ERMADO
Ercole Marelli Formerly: Marelli (Italy)
20121 Milano, via Borgonuovo 24, Italy

† indicates a journal abstracted completely

†Ericsson Rev. (Sweden) (1968—)
Coden: ERREAO ISSN 0014-0171
Ericsson Review LM Ericsson, S-12625 Stockholm 32, Sweden

ESA Bull. (France) (no.9 May 1977—)
Coden: ESABD8 ISSN 0376-4265
ESA Bulletin ESA Space Documentation Service, 8-10 rue Mario Nikis, 75738 Paris Cedex 15, France

ESA J. (Netherlands) (vol.1, no.1 1977—)
Coden: ESAJDW ISSN 0379-2285
ESA Journal Formerly: ESA Sci. & Tech. Rev. (Netherlands)
ESA Scientific & Technical Information Branch, ESTEC, Noordwijk, Netherlands

ESA Sci. & Tech. Rev. (Netherlands) (vol.2, no.1 1976—)
Coden: ESARDM
ESA Scientific and Technical Review Title changed to: ESA J. (Netherlands)

Escher Wyss News (Switzerland) (vol.41, no.2 1968—)
Coden: ESWNAF ISSN 0367-1402
Escher Wyss News Merged into Sulzer Tech. Rev. (Switzerland)

ESF Synchrotron Radiat. News (France) (no.6 1981—)
Coden: NIMRD9
ESF Synchrotron Radiation News Issued with: *Nucl. Instrum. & Methods Phys. Res. (Netherlands)*

ETA Elektrowaerme Tech. Ausbau Ed. A (Germany) (vol.35, no.A1 Jan. 1977—)
Coden: EETAD2 ISSN 0340-3513
ETA Elektrowarme im Technischen Ausbau Edition A Formerly: Elektrowaerme Int. Ed. A (Germany)
Vulkan-Verlag Dr W. Classen Nachf. GmbH & Co. KG, D 43 Essen 1, Haus der Technik, Postfach 7049, Germany

ETZ Arch. (Germany) (no.1 Jan. 1979—)
Coden: ETZADZ ISSN 0170-1703
ETZ Archiv VDE-Verlag GmbH, Bismarckstrasse 33, D-1000 Berlin 12, Germany

Eur. Appl. Res. Rep. Nucl. Sci. Technol. Sect. (USA) (vol.1, no.3 1979—)
Coden: EARRDF ISSN 0379-4229
European Applied Research Reports, Nuclear Science Technology Section Published for the Commission of the European Communities by Harwood Academic Publishers, P.O. Box 786, Cooper Station, New York, NY 10003, USA

Eur. Assoc. Theor. Comput. Sci. Bull.
See: Bull. Eur. Assoc. Theor. Comput. Sci. (Austria)

Eur. Broadcast. Union Rev. Tech.
See: EBU Rev. Tech. (Belgium)

Eur. J. Comb. (GB) (vol.2, no.1 March 1981—)
Coden: EJOCDI ISSN 0195-6698
European Journal of Combinatorics Academic Press Inc. (London) Ltd., 24-28 Oval Road, London NW1 7DX, England

Eur. J. Eng. Educ. (Netherlands) (vol.3, no.1 Spring 1978—)
Coden: EJEED8 ISSN 0304-3797
European Journal of Engineering Education Elsevier Scientific Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

Eur. J. Nucl. Med. (Germany) (vol.4, no.1 1979—)
Coden: EJNMD9 ISSN 0340-6997
European Journal of Nuclear Medicine Springer-Verlag, Heidelberger Platz 3, D-1000 Berlin 33, Germany

Eur. J. Oper. Res. (Netherlands) (vol.2, no.1 Jan. 1978—)
Coden: EJORDT ISSN 0377-2217
European Journal of Operational Research North-Holland Publishing Co., P.O. Box 103, 1000 AC Amsterdam, Netherlands

†Eur. J. Phys. (GB) (vol.1, no.1 1980—)
Coden: EJPHD4 ISSN 0143-0807
European Journal of Physics Institute of Physics, 47 Belgrave Square, London SW1X 8QX, England

Eur. J. Sci. Educ. (GB) (vol.1, no.1 Jan.-March 1979—)
Coden: EJSEDA ISSN 0140-5284
European Journal of Science Education Taylor & Francis Ltd., 10-14 Macklin Street, London WC2 5NF, England

Eur. Polym. J. (GB) (vol.15, no.7 1979—)
Coden: EUPJAG ISSN 0014-3057
European Polymer Journal Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Eur. Semicond. Des. & Prod. (GB) (vol.4, no.3 Sept. 1983—)
ISSN 0306-333X
European Semiconductor Design & Production Formerly: Semicond. Prod. (GB)
KP Publishing Ltd., 322 St. John Street, London EC1, England

Eur. Semicond. Prod. (GB) (vol.3, no.1 Feb. 1982—)
Coden: ESEPD2 ISSN 0306-333X
European Semiconductor Production KP Publishing Ltd., 322 St. John Street, London EC1, England

Eur. Space Agency Bull.
See: ESA Bull. (France)

Eur. Space Agency J.
See: ESA J. (Netherlands)

Euromicro J. (Netherlands) (vol.4, no.3 May 1978—)
Coden: EUJOD4 ISSN 0167-3858
Euromicro Journal Formerly: Euromicro Newsl. (France) Title changed to: Microprocess. & Microprogram. (Netherlands)

Euromicro Newsl. (France) (vol.1, no.1 1975—)
Euromicro Newsletter Title changed to: Euromicro J. (Netherlands)

Europhys. News (Switzerland) (vol.11, no.10 Oct. 1980—)
Coden: EUPNAS ISSN 0531-7479
Europhysics News European Physical Society, P.O.Box 69, CH-1213 Petit-Lancy 2, Switzerland

Eval. Eng. (USA) (vol.7, no.5 Sept.-Oct. 1968—)
Coden: EVENAE ISSN 0149-0370
Evaluation Engineering A. Verner Nelson Associates, Nelson Building, 1282 Old Skokie Road, Highland Park, IL 60035, USA

EX Mag. (Germany) (no.4 June 1978—)
Coden: EXMADW
EX Magazine R. Stahl GmbH & Co., P.O. Box 210, Bergstrasse 2, D-7118 Kunzelsau, Germany

Executive (Canada) (June 1983—)
Coden: EXECDW ISSN 0014-4509
Executive Airmedia, 2973 Weston Road, P.O.Box 510, Weston, Ont. M9N 3R3, Canada

Executive Eng. (GB) (vol.56, no.1 Feb.-March 1976—)
Coden: EXENDV
Executive Engineer Formerly: Electr. Superv. (GB) Title changed to: Electr. & Mech. Executive Eng. (GB)

Exp. Mech. (USA) (vol.13, no.9 Sept. 1973—)
Coden: EXMCAZ ISSN 0014-4851
Experimental Mechanics Society for Experimental Stress Analysis, 14 Fairfield Drive, Brookfield Center, CT 06805, USA

Exp. Tech. (USA) (vol.7, no.1 Jan. 1983—)
Coden: EXPTD2
Experimental Techniques Society for Experimental Stress Analysis, 14 Fairfield Drive, Brookfield Center, CT 06805, USA

†Exp. Tech. Phys. (Germany) (1968—)
Coden: EXPPAL ISSN 0014-4924
Experimentelle Technik der Physik VEB Deutscher Verlag der Wissenschaften, 108 Berlin, Johannes-Dieckmann Strasse 10, Germany

Faraday Disc. Chem. Soc. (GB) (no.65 1978—)
Coden: FDCSB7 ISSN 0301-7249
Faraday Discussions of the Chemical Society Faraday Division, Burlington House, London W1V 0BN, England

Faraday Symp. Chem. Soc. (GB) (no.11 1977—)
Coden: FSYCA3 ISSN 0301-5696
Faraday Symposia of the Chemical Society Faraday Division Burlington House, London W1V 0BN, England

†Fatigue Eng. Mater. & Struct. (GB) (vol.1, no.1 1979—)
Coden: FMSTDJ ISSN 0160-4112
Fatigue of Engineering Materials and Structures Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Feingeraetetechnik (Germany) (1968—)
Coden: FGRTA3 ISSN 0014-9683
Feingeratetechnik VEB Verlag Technik, Oranienburger Strasse 13/14, 102 Berlin, Germany

Feinwerktech. & Messtech. (Germany) (vol.82, no.5 July-Aug. 1974—)
Coden: FEMEDO ISSN 0340-1952
Feinwerktechnik & Messtechnik Carl Hanser Verlag, D-8000 Munchen 80, Kolbergerstrasse 22, Germany. Formed by merger of Feinwerktech. & Micronic (Germany) and Messtechnik (Germany)

Feinwerktech. & Micronic (Germany) (vol.77, no.1 Jan. 1973—)
Coden: FWTMA2
Feinwerktechnik & Micronic Merged with Messtechnik (Germany) to form Feinwerktech. & Messtech. (Germany)

Felsmech.-Mec. Roches
See: Rock Mech. (Austria)

Fernmelde-Ing. (Germany) (1968—)
Coden: FINGAQ ISSN 0015-010X
Fernmelde-Ingenieur Verlag fur Wissenschaft und Leben, Georg Heidecker, Kulsheimer Strasse 11, 8532 Bad Windsheim, Germany

Fernmelde-Praxis (Germany) (vol.45, no.22 25 Nov. 1968—)
Coden: FEPXAP ISSN 0015-0118
Fernmelde-Praxis Fachverlag Schiele und Schon GmbH, Markgrafenstrasse 11, 1000 Berlin 61, Germany

Fernmeldetechnik (Germany) (vol.11, no.1 Jan. 1971—)
Coden: FERNB6 ISSN 0015-0126
Fernmeldetechnik VEB Verlag Technik, 102 Berlin, Oranienburger Strasse 13/14, Germany

Fernseh- & Kino-Tech. (Germany) (vol.25, no.1 Jan. 1971—)
Coden: FNKTAH ISSN 0015-0142
Fernseh- und Kino-Technik Huthig und Pflaum Verlag, 8000 Munchen 2, Postfach 201920, Germany

Fernwaerme Int. (Germany) (vol.1, no.1 1972—)
Coden: FRWMAG ISSN 0340-3572
Fernwarme International 6000 Frankfurt (Main) 70, Stresemannallee 23, Germany

†Ferroelectr. Lett. Sect. (GB) (vol.44, no.1 1982—)
Coden: FELEDJ ISSN 0731-5171
Ferroelectrics Letters Section Gordon and Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England

†Ferroelectrics (GB) (vol.1, no.1 March 1970—)
Coden: FEROA8 ISSN 0015-0193
Ferroelectrics Gordon & Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England

Fertigungstech. & Betr. (Germany) (1968—)
Coden: FTGBAJ ISSN 0015-024X
Fertigungstechnik und Betrieb VEB Verlag Technik, Oranienburger Strasse 13/14, 102 Berlin, Germany

†Fiber & Integrated Opt. (USA) (vol.1, no.1 1977—)
Coden: FOIOD2 ISSN 0146-8030
Fiber and Integrated Optics Crane, Russak & Co. Inc., 3 East 44th Street, New York, NY 10017, USA

Financ. Anal. J. (USA) (1983—)
Financial Analysts Journal Financial Analysts Federation, 1633 Broadway, New York, NY 10019, USA

Financ. Executive (USA) (vol.50, no.4 April 1982—)
Coden: FIEXAW ISSN 0015-1998
Financial Executive Financial Executives Institute, 633 Third Avenue, New York, NY 10017, USA

Finish. Ind. (GB) (vol.1, no.1 Jan. 1977—)
Coden: FIINDP ISSN 0309-3018
Finishing Industries Title changed to: Finishing (GB)

Finishing (GB) (vol.6, no.6 June 1982—)
Coden: FINIE2 ISSN 0264-2506
Finishing Formerly: Finish. Ind. (GB)
Wheatland Journals Ltd., Penn House, Penn Place, Rickmansworth, Herts. WD3 1SN, England

Finommech.-Mikrotech. (Hungary) (vol.12, no.4 April 1973—)
Coden: FNMKAY ISSN 0324-7007
Finommechanika-Mikrotechnika Formerly: Finommechanika (Hungary)
Lapkiado Vallalat, 1073 Budapest 7, Lenin Korut 9-11, Hungary

Finommechanika (Hungary) (1968—)
Coden: FINOAG
Finommechanika Title changed to: Finommech.-Mikrotech. (Hungary)

Fis. & Tecnol. (Italy) (vol.1, no.1 Jan.-March 1978—)
Coden: FITEDJ ISSN 0391-9757
Fisica e Tecnologia Societa Italiana di Fisica, Via Loderingo Degli Andalo 2, 40124 Bologna, Italy

Fiz. & Khim. Obrab. Mater. (USSR) (no.1 Jan.-Feb. 1972—)
Coden: FKOMAT ISSN 0015-3214
Fizika i Khimiya Obrabotki Materialov Izdatel'stvo 'Nauka' 103717 GSP Moskva, K-62, Podsosenskii Per., 21, USSR

Fiz. & Khim. Stekla (USSR) (vol.1, no.2 1975—)
Coden: FKSTD5 ISSN 0132-6651
Fizika i Khimiya Stekla Izdatel'stvo 'Nauka', Leningradskoe Otdelenie 199164 Leningrad, V-164, Mendeleevskaya Liniya 1, USSR [English translation in: *Sov. J. Glass Phys. & Chem. (USA)*]

Fiz. & Tekh. Poluprovodn. (USSR) (1968—)
Coden: FTPPA4 ISSN 0015-3222
Fizika i Tekhnika Poluprovodnikov Publisher: Academy of Sciences of the USSR, 'Nauka' Press, Moscow and Leningrad. Subscription address: Mezhdunarodnaya Kniga, Moskva, USSR [English translation in: *Sov. Phys.-Semicond. (USA)*]

†**Fiz. Elem. Chastits & At. Yadra (USSR)** (vol.4, no.1 1973—)
Coden: FECAAR ISSN 0367-2026
Fizika Elementarnykh Chastits i Atomnogo Yadra 103031 Moskva K31, Ul. Zhlanova 5, USSR [English translation in: *Sov. J. Part. & Nucl. (USA)*]

Fiz. Goreniya & Vzryva (USSR) (1968—)
Coden: FGVZA7 ISSN 0430-6228
Fizika Goreniya i Vzryva Publication House 'Nauka', Siberian Division, Novosibirsk, USSR [English translation in: *Combust. Explos. & Shock Waves (USA)*]

†**Fiz. Met. & Metalloved. (USSR)** (1968—)
Coden: FMMTAK ISSN 0015-3230
Fizika Metallov i Metallovedenie Izdatel'stvo Akademii Nauk SSSR, Sverdlovsk, USSR [English translation in: *Phys. Met. & Metallogr. (GB)*]

†**Fiz. Nizk. Temp. (USSR)** (vol.1, no.1 1975—)
Coden: FNTEDK ISSN 0132-6414
Fizika Nizkikh Temperatur Izdatel'stvo "Naukova Dumka", 252601 Kiev, Repina 3, USSR [English translation in: *Sov. J. Low Temp. Phys. (USA)*]

†**Fiz. Plazmy (USSR)** (vol.1, no.2 March-April 1975—)
Coden: FIPLDK ISSN 0367-2921
Fizika Plazmy Izdatel stvo Nauka', 103717 Moskva, K-62 Podsosenskii 21, USSR [English translation in: *Sov. J. Plasma Phys. (USA)*]

Fiz. Sz. (Hungary) (vol.19, no.12 Dec. 1969—)
Coden: FISZA6 ISSN 0015-3257
Fizikai Szemle Kiadja a Lapkiado Vallalat, Budapest VII, Lenin korut 9-11, Hungary

†**Fiz. Tverd. Tela (USSR)** (1968—)
Coden: FTVTAC ISSN 0367-3294
Fizika Tverdogo Tela Academy of Sciences Press, Moscow and Leningrad. Subscription address: Mezhdunarodnaya Kniga, Moskva, USSR [English translation in: *Sov. Phys.-Solid State (USA)*]

Fiz.-Khim. Mekh. Mater. (USSR) (vol.6, no.2 1970—)
Coden: FKMMAJ ISSN 0430-6252
Fiziko-Khimicheskaya Mekhanika Materialov Izdatel'stvo 'Naukova Dumka', 252601 Kiev, Repina 3, USSR [English translation in: *Sov. Mater. Sci. (USA)*]

†**Fizika (Yugoslavia)** (vol.1, no.4 1969—)
Coden: FZKAAA ISSN 0015-3206
Fizika Mladost Export-Import, 41000 Zagreb, Ilica 30, Yugoslavia

Fluid Apparecch. Idraul. & Pneum. (Italy) (vol.11, no.9 Oct. 1971—)
Coden: FAIPB7 ISSN 0374-3225
Fluid Apparecchiature Idrauliche e Pneumatiche Formerly: Apparecch. Idraul. Pneum. (Italy)
20154 Milano, via Mantegna 6, Italy

Fluid Dyn. (USA) (vol.5, no.1 Jan.-Feb. 1970—)
Coden: FLDYAH ISSN 0015-4628
Fluid Dynamics [Translation of: *Izv. Akad. Nauk SSSR Mekh. Zhidk. & Gaza*] Consultants Bureau, 233 Spring Street, New York, NY 10013, USA

Fluid Mech. - Sov. Res. (USA) (vol.1, no.1 Jan.-Feb. 1972—)
Coden: FMSVAM ISSN 0096-0764
Fluid Mechanics - Soviet Research Scripta Publishing Co., 1511 K Street, N.W., Washington, DC 20005, USA

Fluid Phase Equilibria (Netherlands) (vol.1, no.1 Sept. 1977—)
Coden: FPEQDT ISSN 0378-3812
Fluid Phase Equilibria Elsevier Scientific Publishing Co., P.O. Box 330, 1000 AH Amsterdam, Netherlands

Fluid Power Int. (GB) (1968—)
Coden: FLPIAT
Fluid Power International Incorporated with Des. Eng. (GB)

Fluid. Q. (USA) (vol.3, no.3 July 1971—)
Coden: FLQUA2 ISSN 0015-4687
Fluidics Quarterly P.O. Box 2928, Stanford, CA 94305, USA

Foerdern & Heben (Germany) (vol.21, no.15 Nov. 1971—)
Coden: FOHBAN ISSN 0373-6482
Fordern und Heben Krausskopf Verlag fur Wirtschaft GmbH, 6500 Mainz, Lessingstrasse 12, Postfach 2760, Germany

Folia Fac. Sci. Nat. Univ. Purkynianae Brunensis Phys. (Czechoslovakia) (vol.14, no.2 1973—)
Coden: FNPBAM ISSN 0323-0287
Folia Facultatis Scientiarum Naturalium Universitatis Purkynianae Brunensis, Physica University J.E. Purkyne, 61137 Brno-Kotlarska 2, Czechoslovakia

Fonderie - Fondeur d'Ajourd'hui (France) (no.2 Feb. 1981—)
Coden: FFAUDJ ISSN 0249-3136
Fonderie - Fondeur d'Ajourd'hui Editions Techniques des Industries de la Fonderie. 12 Avenue Raphael, 75016 Paris, France

Forschungsber. Landes Nordrhein-Westfalen (Germany) (1968—)
Coden: FLNWAR ISSN 0367-2492
Forschungsberichte des Landes Nordrhein-Westfalen Westdeutscher Verlag, Gustav-Stresemann-Ring 12-16, 6200 Weisbaden 1, Germany

Forth Dimensions (USA) (vol.3, no.1 May-June 1981—)
Coden: FODMD5
Forth Dimensions Forth Interest Group, P.O.Box 1105, San Carlos, CA 94070, USA

Fortschr. Phys. (Germany) (1968—)
Coden: FPYKA6 ISSN 0015-8208
Fortschritte der Physik Akademie-Verlag, DDR-108 Berlin, Leipzigerstrasse 3-4, Germany

Fortune (USA) (vol.108, no.7 3 Oct. 1983—)
ISSN 0738-5587
Fortune Time Inc., 3435 Wilshire Boulevard, Los Angeles, CA 90010, USA

†**Found. Control Eng. (Poland)** (vol.3, no.2 1978—)
Coden: FCENDV ISSN 0324-8747
Foundations of Control Engineering Institute of Control Engineering, Technical University of Poznan, 60-965 Poznan, Poland

†**Found. Phys. (USA)** (vol.3, no.1 March 1973—)
Coden: FNDPA4 ISSN 0015-9018
Foundations of Physics Plenum Publishing Co., 233 Spring Street, New York, NY 10013, USA

Fr. Railw. Rev. (GB) (vol.1, no.1 April 1983—)
Coden: FRRVDL ISSN 0264-5769
French Railway Review [Translation of: *Rev. Gen. Chemins de Fer (France)*] North Oxford Academic Publishing Co. Ltd., 242 Banbury Road, Oxford OX2 7DW, England

Fra Fys. Verden (Norway) (vol.34, no.1 1972—)
Coden: FYVDAX ISSN 0015-9247
Fra Fysikkens Verden Fysisk Institutt, Universitetet i Trondheim, Norges Laererhogskole, 7000 Trondheim, Norway

Franklin Inst. J.
See: J. Franklin Inst. (USA)

Freddo (Italy) (vol.23, no.1 Jan.-Feb. 1969—)
Coden: FREDAZ ISSN 0016-0296
Il Freddo Soc. P. E. G., Via Filli Bressan 2, 20126 Milano, Italy

†**Frequenz (Germany)** (1968—)
Coden: FQNZA3 ISSN 0016-1136
Frequenz Fachverlag Schiele und Schon GmbH, Markgrafenstrasse 11, 1000 Berlin 61, Germany

Fudan J. (China) (no.1 March 1978—)
Coden: FTHPDZ ISSN 0254-3044
Fudan Journal Fudan University, Shanghai, People's Republic of China

Fuji Electr. Rev. (Japan) (vol.17, no.3 1971—)
Coden: FUERBV ISSN 0429-8284
Fuji Electric Review Fuji Electric Co. Ltd., 12-1, 1-chome, Yurakucho, Chiyoda-ku, Tokyo, Japan

Fujikura Tech. Rev. (Japan) (no.44 Sept. 1971—)
Coden: FKDGAO ISSN 0429-8357
Fujikura Technical Review Fujikura Cable Works Ltd., 5-1, 1-chome Kiba, Koto-ku, Tokyo, Japan

Fujitsu (Japan) (1983—)
Coden: FUJTAR
Fujitsu Fujitsu Ltd., 1015 Kamikodanaka, Nakahara-ku, Kawasaki-shi, Kanagawa 211, Japan

†**Fujitsu Sci. & Tech. J. (Japan)** (1968—)
Coden: FUSTA4 ISSN 0016-2523
Fujitsu Scientific and Technical Journal Fujitsu Ltd., 1015 Kamikodanaka, Nakahara-ku, Kawasaki 211, Kanagawa, Japan

Fukui Daigaku Kogakubu Kenkyu
See: Mem. Fac. Eng. Fukui Univ. (Japan)

Fukui Univ. Fac. Eng. Mem.
See: Mem. Fac. Eng. Fukui Univ. (Japan)

Funct. Photogr. (USA) (vol.10, no.5 Sept. 1975—)
Coden: FUPHDO ISSN 0360-7216
Functional Photography Formerly: Photogr. Appl. Sci. Technol. & Med. (USA)
Photographic Applications in Science and Technology Inc., 250 Fulton Avenue, Hempstead, NY 11550, USA

Fundam. Cosmic Phys. (GB) (vol.3, no.3-4 1978—)
Coden: FNCPAX ISSN 0094-5846
Fundamentals of Cosmic Physics Gordon and Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England

Fundam. Inf.
See: Ann. Soc. Math. Pol. Ser. IV: Fundam. Inf. (Poland)

Funk-Fachhaendler (Germany) (vol.20, no.23 Dec. 1968—)
Coden: FUFABJ ISSN 0341-003X
Funk-Fachhandler Verlag Neuer Merkur GmbH, 8 Munchen 46, Ingoldstadter Strasse 63A, Postfach 460805, Germany

Funk-Tech. (Germany) (no.10 May 1968—)
Coden: FUTEAW ISSN 0016-2825
Funk-Technik Huthig & Pflaum Verlag, 69 Heidelberg 1, Postfach 102869, Germany

Funkschau (Germany) (vol.47, no.4 14 Feb. 1975—)
Coden: FUSHA2 ISSN 0016-2841
Funkschau Franzis-Verlag GmbH, 8 Munchen 2, Postfach 370120, Karlstrasse 37, Germany

Furukawa Denko Jiho
See: Furukawa Electr. Rev. (Japan)

Furukawa Electr. Rev. (Japan) (no.46 July 1969—)
Coden: FKDJAX ISSN 0429-9159
Furukawa Electric Review Furukawa Electric Co., 6-1 Marunochi, 2-chome, Chiyoda-ku, Tokyo, Japan

Furukawa Rev. (Japan) (no.1 Sept. 1980—)
Coden: FUREDP ISSN 0429-9159
Furukawa Review Furukawa Electric Co. Ltd., 6-1 Marunouchi 2-chome, Chiyoda-ku, Tokyo, Japan

Fusion (USA) (vol.4, no.5-6 March-April 1981—)
Coden: FUSID8 ISSN 0148-0537
Fusion Fusion Energy Foundation, Suite 2404, 888 Seventh Avenue, New York, NY 10019, USA

Futurist (USA) (vol.17, no.4 Aug. 1983—)
ISSN 0016-3317
The Futurist World Future Society, 4916 St. Elmo Avenue, Bethesda, MD 20814-5089, USA

Fuzzy Sets & Syst. (Netherlands) (vol.1, no.1 1978—)
Coden: FSSYD8 ISSN 0165-0114
Fuzzy Sets and Systems North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

Fys. Tidsskr. (Denmark) (vol.69, no.4-5 1971—)
Coden: FYTIA4 ISSN 0016-3392
Fysisk Tidsskrift Subscription address: Jul. Gjellerups Boghandel, Solvgade 87, 1307 Kobenhavn, Denmark

Fyz. Cas. (Czechoslovakia) (1968—)
Coden: FYCABW
Fyzikalny Casopis Title changed to: Acta Phys. Slovaca (Czechoslovakia)

† indicates a journal abstracted completely

Galvanotechnik (Germany) (vol.63, no.11 15 Nov. 1972—)
Coden: GVTKAY ISSN 0016-4232
Galvanotechnik Eugen G. Leuze Verlag, 7968 Saulgau (Wurtt.), Postfach 8, Germany

Gas Turbine World & Cogeneration (USA) (vol.13, no.3 July-Aug. 1983—)
Gas Turbine World & Cogeneration Pequot Publishing Inc., 654 Hillside Road, Fairfield, CT 06430, USA

Gaz. Mat. (Portugal) (1968—)
Coden: GZMTAK ISSN 0373-2681
Gazeta de Matematica Rue Diaro de Noticias, 134-1, Lisboa, Portugal

†**GEC J. Res. Incorp. Marconi Rev. (GB)** (vol.1, no.1 1983—)
ISSN 0264-9187
GEC Journal of Research Incorporating the Marconi Review Formerly: Marconi Rev. (GB)
GEC Research Laboratories, Marconi Research Centre, Great Baddow, Chelmsford, Essex CM2 8HN, England

GEC J. Sci. & Technol. (GB) (vol.39, no.2 1972—)
Coden: GJSTA6 ISSN 0022-4421
GEC Journal of Science & Technology Formerly: J. Sci. & Technol. (GB)
General Electric Co. Ltd., 1 Stanhope Gate, London, W1A 1EH, England

GEC Telecommun. (GB) (no.39 1972—)
Coden: GECTAR ISSN 0046-5593
GEC Telecommunications Formerly: GEC-AEI Telecommun. (GB)
GEC Telecommunications Ltd., P.O. Box 53, Coventry, CV3 1HJ, England

GEC Telecommun. (GB) (1968—)
Coden: GECTAR
GEC Telecommunications Title changed to: GEC-AEI Telecommun. (GB)

GEC-AEI Telecommun. (GB) (no.37 1968—)
Coden: GATCAX
GEC-AEI Telecommunications Formerly: GEC Telecommun. (GB) Title changed to: GEC Telecommun. (GB)

Geliotekhnika (USSR) (1968—)
Coden: GLOTAY ISSN 0130-0997
Geliotekhnika Academy of Sciences of the Uzbek SSR, Tashkent, USSR [English translation in: *Appl. Sol. Energy (USA)*]

†**Gen. Relativ. & Gravitation (USA)** (vol.3, no.1-2 June 1972—)
Coden: GRGVA8 ISSN 0001-7701
General Relativity and Gravitation Plenum Publishing Corp., 227 West 17th Street, New York, NY 10011, USA

Geochim. & Cosmochim. Acta (GB) (vol.41, no.4 April 1977—)
Coden: GCACAK ISSN 0016-7037
Geochimica et Cosmochimica Acta Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Geoexploration (Netherlands) (vol.9, no.4 Oct. 1971—)
Coden: GEOXAV ISSN 0016-7142
Geoexploration Elsevier Scientific Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

Geofiz. Appar. (USSR) (no.68 1979—)
Coden: GEAPA5 ISSN 0435-3374
Geofizicheskaya Apparatura Izdatel'stvo 'Nedra', Leningradskoe Otdelenie, Leningrad C-171, Ul. Farforovskaya 12, USSR

Geofiz. Koeslemenyek (Hungary) (vol.18, no.4 1969—)
Coden: GEKOAI ISSN 0016-7177
Geofizikai Koslemenyek Muszaki Konyvkiado, Budapest, Hungary

Geofiz. Sb. (USSR) (no.44 1971—)
Coden: GFSUAF
Geofizicheskii Sbornik Title changed to: Geofiz. Zh. (USSR)

Geofiz. Zh. (USSR) (vol.1, no.1 1979—)
Coden: GEZHD7 ISSN 0203-3100
Geofizicheskii Zhurnal Formerly: Geofiz. Sb. (USSR)
Izdatel'stvo 'Naukova Dumka', 252601 Kiev GSP, Repina 3, USSR [English translation in: *Geophys. J. (GB)*]

Geofys. Publ. (Norway) (1968—)
Coden: GFPBAB
Geofysiske Publikasjoner Title changed to: Geophys. Norv. (Norway)

Geol. & Geofiz. (USSR) (vol.19, no.7 1978—)
Coden: GGASAS ISSN 0016-7886
Geologiya i Geofizika Akadamiya Nauk SSSR, Sibirskoe Otdelenie, Prospekt Nauki 21, Novosibirsk, USSR [English translation in: *Sov. Geol. & Geophys. (USA)*]

Geomagn. & Aeron. (USA) (1968—)
Coden: GMARAX ISSN 0016-7932
Geomagnetism and Aeronomy [Translation of: *Geomagn. & Aeron. (USSR)*] American Geophysical Union, 2000 Florida Avenue, N.W., Washington, DC 20009, USA

Geomagn. & Aeron. (USSR) (1968—)
Coden: GEAEA6 ISSN 0016-7940
Geomagnetizm i Aeronomiya Akademiya Nauk SSSR, Leninskii Prospekt 14, Moskva, USSR [English translation in: *Geomagn. & Aeron. (USA)*]

Geomagn. Ser. Earth Phys. Branch (Canada) (no.3 1975—)
Coden: GSGCDT ISSN 0704-3015
Geomagnetic Series, Earth Physics Branch Energy, Mines and Resources Canada, 1 Observatory Crescent, Ottawa K1A OE4, Canada

Geophys. & Astrophys. Fluid Dyn. (GB) (vol.8, no.4 1977—)
Coden: GAFDD3 ISSN 0309-1929
Geophysical and Astrophysical Fluid Dynamics Formerly: Geophys. Fluid Dyn. (GB)
Gordon and Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England

Geophys. Fluid Dyn. (GB) (vol.1, no.1-2 April 1970—)
Coden: GFDYAK
Geophysical Fluid Dynamics Title changed to: Geophys. & Astrophys. Fluid Dyn. (GB)

Geophys. J. (GB) (vol.3, no.3 1981—)
Coden: GJOUDQ ISSN 0275-9128
Geophysical Journal [Translation of: *Geofiz. Zh. (USSR)*] Gordon and Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, USA

†**Geophys. J. R. Astron. Soc. (GB)** (1968—)
Coden: GEOJAN ISSN 0016-8009
Geophysical Journal of the Royal Astronomical Society Burlington House, London, W1V ONL, England

Geophys. Mag. (Japan) (vol.39, no.2 March 1980—)
Coden: GEOMAW ISSN 0016-8017
Geophysical Magazine Japan Meteorological Agency, Library Section, Ote-machi, Chiyoda-ku, Tokyo, Japan

Geophys. Norv. (Norway) (vol.31, no.3 1976—)
Coden: GPNOA8 ISSN 0332-5903
Geophysica Norvegica Formerly: Geofys. Publ. (Norway)
Universitetsforlaget, P.O.Box 2959, Toyen, Oslo 6, Norway

Geophys. Prospect. (Netherlands) (vol.16, no.2 June 1968—)
Coden: GPPRAR ISSN 0016-8025
Geophysical Prospecting European Association of Exploration Geophysicists, P.O. Box 162, 2501 AN The Hague, Netherlands

†**Geophys. Res. Lett. (USA)** (vol.1, no.1 May 1974—)
Coden: GPRLAJ ISSN 0094-8276
Geophysical Research Letters American Geophysical Union, 2000 Florida Avenue, N.W., Washington, DC 20009, USA

Geophys. Surv. (Netherlands) (vol.1, no.1 Sept. 1972—)
Coden: GPSVAK ISSN 0046-5763
Geophysical Surveys D. Reidel Publishing Co., P.O. Box 17, Dordrecht, Netherlands

Geophysics (USA) (1968—)
Coden: GPYSA7 ISSN 0016-8033
Geophysics Society of Exploration Geophysicists, P.O. Box 3098, Tulsa, OK 74101, USA

GEOS (Canada) (Summer 1972—)
Coden: GEOSCI ISSN 0374-3268
GEOS Department of Energy, Mines and Resources, Ottawa, Canada

Geotechnics (Japan) (no.7 1971—)
Coden: CSKGAE ISSN 0374-325X
Geotechnics Geotechnical Research Office, Nippon Geophysical Prospecting Co. Ltd., 2-12, 2-chome, Nakamagome, Ohta-ku, Tokyo 143, Japan

Geothermal Energy (USA) (vol.8, no.2 Feb. 1980—)
Coden: GTEMAJ ISSN 0093-5700
Geothermal Energy Geothermal World Corp., 18014 Sherman Way, Suite 169, Reseda, CA 91335, USA

Geothermics (GB) (vol.7, no.1 1978—)
Coden: GTMCAT ISSN 0375-6505
Geothermics Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Gerlands Beitr. Geophys. (Germany) (1968—)
Coden: BEGOAB ISSN 0016-8696
Gerlands Beitrage zur Geophysik Akademische Verlags-Gesellschaft Geest und Portig KG, Sternwartenstrasse 8, DDR 701 Leipzig 1, Germany

Gidromekhanika (USSR) (no.22 1972—)
Coden: GDMKBA ISSN 0367-4088
Gidromekhanika Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR

Gidrotekh. Stroit. (USSR) (1968—)
Coden: GTSTA8 ISSN 0016-9714
Gidroteknicheskoe Stroitel'stvo Agent: Mezhdunarodnaya Kniga, Moskva, USSR [English translation in: *Hydrotech. Constr. (USA)*]

Glas. Mat. Ser. III (Yugoslavia) (vol.36, no.1 1981—)
Coden: GLMAB2 ISSN 0017-095X
Glasnik Matematicki, Serija III Editorial address: 41001 Zagreb, Marulicev trg 19, pp 187, Yugoslavia

Glasers Ann.
See: Z. Eisenbahnwes. & Verkehrstech. (Glasers Ann.) (Germany)

Glasers Ann. (Germany) (1968—)
Coden: GLANAE
Glasers Annalen Title changed to: Z. Eisenbahnwes. & Verkehrstech. (Glasers Ann.) (Germany)

Glass & Ceram. (USA) (vol.26, no.3-4 March-April 1969—)
Coden: GLCEAV ISSN 0361-7610
Glass and Ceramics [Translation of: *Steklo & Keram. (USSR)*] Consultants Bureau, 233 Spring Street, New York, NY 10013, USA

Glass Technol. (GB) (vol.10, no.5 Oct. 1969—)
Coden: GLSTAK ISSN 0017-1050
Glass Technology Society of Glass Technology, Thornton, Hallam Gate Road, Sheffield, S1o 5BT, England

Global Commun. (USA) (vol.1, no.2 Winter 1979—)
Coden: GLCODU ISSN 0195-2250
Global Communications Cardiff Publishing Co., 3900 Wadsworth Boulevard, Denver, CO 80235, USA

Gov. Data Syst. (USA) (vol.6, no.1 Jan.-Feb. 1977—)
Coden: GVDSBD ISSN 0046-6212
Government Data Systems United Business Publications Inc., 475 Park Avenue South, New York, NY 10016, USA

Gov. Ind. Res. Inst. Nagoya Rep.
See: Rep. Gov. Ind. Res. Inst. Nagoya (Japan)

Gov. Ind. Res. Inst. Osaka Rep.
See: Rep. Gov. Ind. Res. Inst. Osaka (Japan)

†**Greenwich Time Rep. (GB)** (Jan.-March 1979—)
Coden: GTREDT ISSN 0264-4177
Greenwich Time Report Royal Observatory, Hertsmonceux Castle, Hailsham, East Sussex BN27 1RP, England

Grundig Tech. Inf. (Germany) (vol.16, no.1-2 1969—)
Coden: GRTIAY ISSN 0017-4912
Grundig Technische Informationen Grundig Werke GmbH, 8510 Furth (Bayern), Kurgartenstrasse 37, Germany

GTE Autom. Electr. J. (USA) (vol.15, no.5 Jan. 1977—)
Coden: GAEJDG
GTE Automatic Electric Journal Formerly: GTE Autom. Electr. Tech. J. (USA) Title changed to: GTE Autom. Electr. World-Wide Commun. J. (USA)

GTE Autom. Electr. Tech. J. (USA) (vol.12, no.6 April 1971—)
Coden: GTEABI
GTE Automatic Electric Technical Journal Formerly: Autom. Elec. Tech. J. (USA) Title changed to: GTE Autom. Electr. J. (USA)

†**GTE Autom. Electr. World-Wide Commun. J. (USA)** (vol.17, no.6 Nov. 1979—)
Coden: GAEJDG ISSN 0273-141X
GTE Automatic Electric World-Wide Communications Journal Formerly: GTE Autom. Electr. J. (USA)
GTE Automatic Electric Inc., Northlake, IL 60164, USA

†**Hadronic J. (USA)** (vol.1, no.1 April 1978—)
Coden: HAJODX ISSN 0162-5519
Hadronic Journal Hadronic Press Inc., Nonantum, MA 02195, USA

Hands On (USA) (Fall 1981—)
Coden: HSONDB
Hands On Technical Education Research Center, 8 Eliot Street, Cambridge, MA 02138, USA

Harvard Bus. Rev. (USA) (March-April 1970—)
Coden: HABRAX ISSN 0017-8012
Harvard Business Review Subscription Service Department, P.O. Box 3000, Woburn, MA 01888, USA

Hasler Rev. (Switzerland) (vol.1, no.2-3 1968—)
Coden: HSLRA5 ISSN 0374-3306
Hasler Review Hasler Ltd., Belpstrasse 23, 3000 Berne 14, Switzerland

He Huaxue Yu Fangshe Huaxue (China) (vol.3, no.1 Feb. 1981—)
Coden: HHHHDH ISSN 0253-9950
He Huaxue Yu Fangshe Huaxue (Journal of Nuclear and Radiochemistry) Subscription address: Guozi Shudian, P.O.Box 399, Beijing, People's Republic of China

Health & Soc. Serv. J. (GB) (vol.93, no.4863 8 Sept. 1983—)
Coden: HSSJBH ISSN 0300-8347
Health & Social Service Journal Hospital and Social Service Publications Ltd., 4 Little Essex Street, London WC2R 3LF, England

Health Phys. (GB) (vol.22, no.1 Jan. 1972—)
Coden: HLTPAO ISSN 0017-9078
Health Physics Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Healthcare Financ. Manage. (USA) (vol.36, no.7 July 1982—)
Coden: HFMAD7 ISSN 0735-0732
Healthcare Financial Management Formerly: Hosp. Financ. Manage. (USA)
Healthcare Financial Management Association, 1900 Spring Road, Oak Brook, IL 60521, USA

Heat Transfer - Jpn. Res. (USA) (vol.1, no.1 Jan.-March 1972—)
Coden: HTJPAU ISSN 0096-0802
Heat Transfer - Japanese Research Scripta Publishing Co. V.H. Winston & Sons, 7961 Eastern Avenue, Silver Spring, MD 20910-4891, USA

Heat Transfer - Sov. Res. (USA) (vol.4, no.1 Jan.-Feb. 1972—)
Coden: HTSRAD ISSN 0440-5749
Heat Transfer - Soviet Research Scripta Publishing Corp., 1511 K Street, N.W., Washington, DC 20005, USA

Heat Treat. Met. (GB) (vol.8, no.1 1981—)
Coden: HTRMBS ISSN 0305-4829
Heat Treatment of Metals Wolfson Heat Treatment Centre, University of Aston in Birmingham, Gosta Green, Birmingham B4 7ET, England

Heat. & Air Cond. J. (GB) (vol.43, no.509 April 1974—)
Coden: HACJBF ISSN 0307-7950
Heating and Air Conditioning Journal Formerly: Steam & Heat. Eng. (GB)
Troup Publications Ltd., 30 Old Burlington Street, London, W1X 2AE, England

Heat. & Vent. Eng. (GB) (vol.42, no.498 Jan. 1968—)
Coden: HVENBE ISSN 0260-1338
Heating and Ventilating Engineer Technitrade Journals Ltd., 886 High Road, London, N12 9SB, England

Helv. Phys. Acta (Switzerland) (1968—)
Coden: HPACAK ISSN 0018-0238
Helvetica Physica Acta Schweizerische Physikalische Gesellschaft. Publisher: Birkhauser Verlag, Elisabethenstrasse 19, CH-4000 Basel 10, Switzerland

Her. Libr. Sci. (India) (vol.11, no.1 Jan. 1972—)
Coden: HLBSAB ISSN 0018-0521
Herald of Library Science C1, Banaras Hindu University, Varanasi-5, India

Hermsdorfer Tech. Mitt. (Germany) (vol.10, no.30 Aug. 1970—)
Coden: HTMTAN ISSN 0439-0377
Hermsdorfer Technische Mitteilungen Kombinat VEB Keramische Werke Hermsdorf, Hermsdorf/Thuringen, Germany

Hewlett-Packard J. (USA) (1968—)
Coden: HPJOAX ISSN 0018-1153
Hewlett-Packard Journal 1501 Page Mill Road, Palo Alto, CA 94304, USA

High Technol. (USA) (1968—)
ISSN 0277-2981
High Technology High Technology Publishing Corp., 38 Commercial Wharf, Boston, MA 02110, USA

High Temp. (USA) (1968—)
Coden: HITEA4 ISSN 0018-151X
High Temperature [Translation of: *Teplofiz. Vys. Temp. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA

†**High Temp. Sci. (USA)** (vol.1, no.1 May 1969—)
Coden: HITSAC ISSN 0018-1536
High Temperature Science Humana Press Inc., P.O. Box 2148, Clifton, NJ 07015, USA

High Temp. Technol. (GB) (vol.1, no.6 Nov. 1983—)
ISSN 0261-9180
High Temperature Technology Butterworth Scientific Ltd., Journals Division, P.O.Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England

High Temp.-High Pressures (GB) (vol.1, no.1 1969—)
Coden: HTHPAK ISSN 0018-1544
High Temperatures - High Pressures Pion Ltd., 207 Brondesbury Park, London, NW2 5JN, England

Himeji Inst. Technol. Rep.
See: Rep. Himeji Inst. Technol. (Japan)

Himeji Kogyo Daigaku Kenkyu Hokoku
See: Rep. Himeji Inst. Technol. (Japan)

Hiradastechnika (Hungary) (1968—)
Coden: HIRAAG ISSN 0018-2028
Hiradastechnika Lapkaido Vallalat, 1073 Budapest, Lenin Krt 9-11, Hungary

Hiroshima Daigaku Kogakubu Kenkyu Hokoku
See: Bull. Fac. Eng. Hiroshima Univ. (Japan)

Hiroshima Inst. Technol. Res. Bull.
See: Res. Bull. Hiroshima Inst. Technol. (Japan)

Hiroshima Kogyo Daigaku Kenkyu Kiyo
See: Res. Bull. Hiroshima Inst. Technol. (Japan)

Hiroshima Univ. Fac. Eng. Bull.
See: Bull. Fac. Eng. Hiroshima Univ. (Japan)

Hiroshima Univ. Fac. Eng. Mem.
See: Mem. Fac. Eng. Hiroshima Univ. (Japan)

Hiroshima Univ. J. Sci. A
See: J. Sci. Hiroshima Univ. A (Japan)

†**Hitachi Rev. (Japan)** (1968—)
Coden: HITAAQ ISSN 0018-277X
Hitachi Review Ohm-sha Co. Ltd., 1,3-chome, Kanda, Nishiki-cho, Chiyoda-ku, Tokyo 101, Japan

Hitachi Zosen Giho
See: Hitachi Zosen Tech. Rev. (Japan)

Hitachi Zosen Tech. Rev. (Japan) (vol.40, no.1 March 1979—)
Coden: HZOGA2 ISSN 0018-2788
Hitachi Zosen Technical Review Hitachi Zosen Technical Research Institute, 1-3-22 Sakurajima, Konohana-ku, Osaka 544, Japan

HLH (Heiz. Luftung Klimatech. Haustech.) (Germany) (vol.28, no.1 Jan. 1977—)
Coden: HLHZAS ISSN 0017-9906
HLH (Heizung Luftung Klimatechnik Haustechnik) VDI Verlag GmbH, 4 Dusseldorf 1, Graf-Recke-Strasse 84, Postfach 1139, Germany

Hobby Electron. (GB) (vol.3, no.5 March 1981—)
Coden: HOELDT ISSN 0142-6192
Hobby Electronics Modmags Ltd., 145 Charing Cross Road, London WC2H 0EE, England

Hochfrequenztech. & Elektroakust. (Germany) (1968—)
Coden: HOELAQ
Hochfrequenztechnik und Elektroakustik Incorporated in Z. Elektr. Inf.- & Energietech. (Germany)

Hokkaido Daigaku Oyo Denki Kenkyusho Hokoku
See: Bull. Res. Inst. Appl. Electr. (Japan)

Hokkaido Inst. Technol. Mem.
See: Mem. Hokkaido Inst. Technol. (Japan)

Hokkaido Kogyo Daigaku Kenkyu Kiyo
See: Mem. Hokkaido Inst. Technol. (Japan)

Hokkaido Univ. Fac. Eng. Mem.
See: Mem. Fac. Eng. Hokkaido Univ. (Japan)

Hong Kong Eng. (vol.4, no.2 April 1976—)
Coden: HKOEDU ISSN 0378-8776
Hong Kong Engineer Asia Trade Journals Ltd., 7th Floor, Sincere Insurance Building, 4-6 Henessy Road, Hong Kong, Hong Kong

Horol. Inst. Jpn. J.
See: J. Horol. Inst. Jpn. (Japan)

Hosei Daigaku Kogakubu Kenkyu Shuho
See: Bull. Coll. Eng. Hosei Univ. (Japan)

Hosei Univ. Coll. Eng. Bull.
See: Bull. Coll. Eng. Hosei Univ. (Japan)

Hosp. Eng. (GB) (vol.23, no.6 June 1969—)
Coden: HSPEAK
Hospital Engineer Title changed to: Hosp. Eng. (GB)

Hosp. Eng. (GB) (vol.24 Jan. 1970—)
Coden: HSEGA5 ISSN 0309-7498
Hospital Engineering Formerly: Hosp. Eng. (GB)
Mallard Publications, 48 Southwark Street, London SE1 1UN, England

Hosp. Financ. Manage. (USA) (vol.26, no.9 Sept. 1972—)
Coden: HFIMAK ISSN 0018-5639
Hospital Financial Management Title changed to: Healthcare Financ. Manage. (USA)

Houille Blanche (France) (1968—)
Coden: HOBLAB ISSN 0018-6368
La Houille Blanche 5 Chemin de Marroniers, B.P. 264, F 38008 Grenoble Cedex, France

Houston J. Math. (USA) (vol.2, no.1 1976—)
Coden: HJMADZ ISSN 0362-1588
Houston Journal of Mathematics University of Houston, Department of Mathematics, Houston, TX 77004, USA

Huazhong Inst. Technol. J.
See: J. Huazhong Inst. Technol. (Engl. Ed.) (China)

Hum. Factors (USA) (vol.10, no.6 Dec. 1968—)
Coden: HUFAA6 ISSN 0018-7208
Human Factors Human Factors Society Inc., P.O. Box 1369, Santa Monica, CA 90406, USA

Hum. Syst. Manage. (Netherlands) (vol.1, no.1 Feb. 1980—)
Coden: HSMADU ISSN 0167-2533
Human Systems Management North-Holland Publishing Co., P.O. Box 103, 1000 AC Amsterdam, Netherlands

Hung. Heavy Ind. (Hungary) (vol.19, 3rd Quart. 1969—)
Coden: HUHIA6
Hungarian Heavy Industries Title changed to: Hung. Mach. (Hungary)

Hung. Mach. (Hungary) (vol.28, no.1 1978—)
Coden: HMACD2
Hungarian Machinery Formerly: Hung. Heavy Ind. (Hungary)
Hungarian Chamber of Commerce, H-1073 Budapest, Lenin krt. 9/11, Hungary

Hybrid Circuits (GB) (no.2 Spring 1983—)
Coden: HYCRD5 ISSN 0265-3028
Hybrid Circuits Wela Publications Ltd., 8 Barns Street, Ayr KA7 1XB, Scotland

Hydraul. & Pneum. (USA) (vol.22, no.3 March 1969—)
Coden: HYDPAZ ISSN 0018-814X
Hydraulics and Pneumatics Industrial Publishing Co., 614 Superior Avenue West, Cleveland, OH 44113, USA

Hydraul. Pneum. Asservissements (France) (1968—)
Coden: HYPAAG
Hydraulique Pneumatique et Asservissements Title changed to: Energ. Fluide & Lubr. Hydraul. Pneum. Asservissements (France)

Hydraul. Pneum. Mech. Power (GB) (vol.21, no.242 Feb. 1975—)
Coden: HPMPDK ISSN 0306-4069
Hydraulic Pneumatic Mechnanical Power Formerly: Hydraul. Pneum. Power (GB)
Trade & Technical Press Ltd., Crown House, Morden, Surrey SM4 5EW, England

Hydraul. Pneum. Power (GB) (1968—)
Coden: HYPPAR
Hydraulic Pneumatic Power Title changed to: Hydraul. Pneum. Mech. Power (GB)

Hydrospace (GB) (vol.4, no.6 Dec. 1971—)
Coden: HYSPA8
Hydrospace Title changed to: Offshore Serv. (GB)

Hydrotech. Constr. (USA) (vol.15, no.4 April 1981—)
Coden: HYCOAR ISSN 0018-8220
Hydrotechnical Construction [Translation of: *Gidrotekh. Stroit. (USSR)*] Consultants Bureau, 233 Spring Street, New York, NY 10013, USA

†**Hyperfine Interactions (Netherlands)** (vol.1, no.1 June 1975—)
Coden: HYINDN ISSN 0304-3843
Hyperfine Interactions North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

†**I.A.U. Circ. (USA)** (no.2632 12 Feb. 1974—)
Coden: IANUAB ISSN 0081-0304
International Astronomical Union Circular IAU Central Telegram Bureau, Smithsonian Observatory, Cambridge, MA 02138, USA

IAEA Bull.
See: Int. At. Energy Agency Bull. (Austria)

IAG J. (Netherlands) (vol.1, no.2 1968—)
Coden: IAGQBX
IAG Journal Title changed to: Manage. Inf. (Netherlands)

IATUL Proc. (Sweden) (vol.6, no.1 June 1971—)
Coden: IATPAQ ISSN 0018-8476
IATUL Proceedings Chalmers University of Technology Library, Goteborg, Sweden

†**IBA Tech. Rev. (GB)** (no.3 June 1973—)
Coden: IBARBD ISSN 0308-423X
IBA Technical Review Independent Broadcasting Authority, 70 Brompton Road, London, SW3 IEY, England

Ibaraki Daigaku Kogakubu Kenkyu Shuho
See: J. Fac. Eng. Ibaraki Univ. (Japan)

Ibaraki Daigaku Kogakubu Kiyo
See: Bull. Fac. Eng. Ibaraki Univ. (Japan)

Ibaraki Univ. Fac. Eng. Bull.
See: Bull. Fac. Eng. Ibaraki Univ. (Japan)

Ibaraki Univ. Fac. Eng. J.
See: J. Fac. Eng. Ibaraki Univ. (Japan)

†**IBM J. Res. & Dev. (USA)** (1968—)
Coden: IBMJAE ISSN 0018-8646
IBM Journal of Research and Development International Business Machines Corporation, Armonk, New York, NY 10504, USA

IBM Nachr. (Germany) (vol.19, no.197 Oct. 1969—)
Coden: IBMNAQ ISSN 0018-8662
IBM Nachrichten IBM Deutschland GmbH, 7000 Stuttgart 80, Postfach 800880, Germany

†**IBM Syst. J. (USA)** (1968—)
Coden: IBMSA7 ISSN 0018-8670
IBM Systems Journal International Business Machines Corporation, Armonk, New York, NY 10504, USA

IBM Tech. Disclosure Bull. (USA) (1968—)
Coden: IBMTAA ISSN 0018-8689
IBM Technical Disclosure Bulletin International Business Machines Co., Armonk, New York, NY 10504, USA

ICA Inf. (Spain) (no.16 May 1979—)
Coden: IINFDP
ICA Information International Council for Automatic Data Processing in Government Administration, c/o Servicio Central de Informatica, P° de Recoletos 16, 5°, Madrid 1, Spain

†**Icarus (USA)** (1968—)
Coden: ICRSA5 ISSN 0019-1035
Icarus Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

†**ICL Tech. J. (GB)** (no.1 Nov. 1978—)
Coden: ITJOD7 ISSN 0142-1557
ICL Technical Journal Published for International Computers Ltd. by Peter Peregrinus Ltd., P.O. Box 8, Southgate House, Stevenage, Herts. SG1 1HQ, England

ICP J. Inf. Prod. & Serv. (USA) (vol.2, no.2 Summer 1981—)
Coden: ICPID2
ICP. Journal of Information Products & Services Title changed to: ICP J. Software Prod. & Serv. (USA)

ICP J. Software Prod. & Serv. (USA) (vol.2, no.4 Winter 1981—)
Coden: IJSSDS
ICP Journal of Software Products and Services Formerly: ICP J. Inf. Prod. & Serv. (USA) Title changed to: ICP Software J. (USA)

ICP Software J. (USA) (vol.3, no.1 Spring 1982—)
Coden: ISJODY
ICP Software Journal Formerly: ICP J. Software Prod. & Serv. (USA) International Computer Programs Inc., 9000 Keystone Crossing, P.O.Box 40946, Indianapolis, IN 46420, USA. 2 Deanery Street, Park Lane, London W1Y 5LH, England

I&CS-Ind. & Process Control Mag. (USA) (vol.56, no.6 June 1983—)
Coden: CHISDY ISSN 0164-0089
I&CS-The Industrial and Process Control Magazine Formerly: Instrum. & Control Syst. (USA) Chilton Co., Chilton Way, Radnor, PA 19089, USA

IEC Bull. (Switzerland) (no.10 Sept. 1969—)
Coden: IEBUAD ISSN 0018-9138
IEC Bulletin International Electrotechnical Commission, 1 rue de Varembe, 1211 Geneva 20, Switzerland

IEE J. Comput. & Digital Tech. (GB) (vol.1, no.1 Feb. 1978—)
Coden: IJCTDJ ISSN 0140-1335
IEE Journal on Computers and Digital Techniques Merged with Proc. Inst. Electr. Eng. (GB) to form IEE Proc. (GB)

IEE J. Electr. Power Appl. (GB) (vol.1, no.1 Feb. 1978—)
Coden: IJEAD6
IEE journal on Electric Power Applications Merged with Proc. Inst. Electr. Eng. (GB) to form IEE Proc. (GB)

IEE J. Electron. Circuits & Syst. (GB) (vol.1, no.1 Sept. 1976—)
Coden: IECSDF
IEE Journal on Electronic Circuits and Systems Merged with Proc. Inst. Electr. Eng. (GB) to form IEE Proc. (GB)

IEE J. Microwaves, Opt. & Acoust. (GB) (vol.1, no.1 Sept. 1976—)
Coden: IJMADC
IEE Journal on Microwaves, Optics and Acoustics Merged with Proc. Inst. Electr. Eng. (GB) to form IEE Proc. (GB)

IEE J. Solid-State & Electron Devices (GB) (vol.1, no.1 Sept. 1976—)
Coden: IJSDDH
IEE Journal on Solid-State and Electron Devices Merged with Proc. Inst. Electr. Eng. (GB) to form IEE Proc. (GB)

†**IEE Proc. A (GB)** (vol.127, no.1 Jan. 1980—)
Coden: IPPRDI ISSN 0143-702X
IEE Proceedings A (Physical Science, Measurement and Instrumentation, Management and Education, Reviews) Institution of Electrical Engineers, P.O. Box 8, Southgate House, Stevenage, Herts. SG1 1HQ, England. Supersedes in part: Proc. Inst. Electr. Eng. (GB)

†**IEE Proc. B (GB)** (vol.127, no.1 Jan. 1980—)
Coden: IPPADZ ISSN 0143-7038
IEE Proceedings B (Electric Power Applications) Institution of Electrical Engineers, P.O. Box 8, Southgate House, Stevenage, Herts. SG1 1HQ, England. Supersedes in part: Proc. Inst. Electr. Eng. (GB)

†**IEE Proc. C (GB)** (vol.127, no.1 Jan. 1980—)
Coden: IPPDDA ISSN 0143-7046
IEE Proceedings C (Generation, Transmission and Distribution) Institution of Electrical Engineers, P.O. Box 8, Southgate House, Stevenage, Herts. SG1 1HQ, England. Supersedes in part: Proc. Inst. Elec. Eng. (GB)

†**IEE Proc. D (GB)** (vol.127, no.1 Jan. 1980—)
Coden: IPDAD9 ISSN 0143-7054
IEE Proceedings D (Control Theory and Applications) Institution of Electrical Engineers, P.O. Box 8, Southgate House, Stevenage, Herts. SG1 1HQ, England. Supersedes in part: Proc. Inst. Elec. Eng. (GB)

†**IEE Proc. E (GB)** (vol.127, no.1 Jan. 1980—)
Coden: IPETD3 ISSN 0143-7062
IEE Proceedings E (Computers and Digital Techniques) Institution of Electrical Engineers, P.O. Box 8, Southgate House, Stevenage, Herts. SG1 1HQ, England. Supersedes in part: Proc. Inst. Elec. Eng. (GB)

†**IEE Proc. F (GB)** (vol.127, no.1 Feb. 1980—)
Coden: IPFPDU ISSN 0143-7070
IEE Proceedings F (Communications, Radar and Signal Processing) Institution of Electrical Engineers, P.O. Box 8, Southgate House, Stevenage, Herts. SG1 1HQ, England. Supersedes in part: Proc. Inst. Elec. Eng. (GB)

†**IEE Proc. G (GB)** (vol.127, no.1 Feb. 1980—)
Coden: IPPSDL ISSN 0143-7089
IEE Proceedings G (Electronic Circuits and Systems) Institution of Electrical Engineers, P.O. Box 8, Southgate House, Stevenage, Herts. SG1 1HQ, England. Supersedes in part: Proc. Inst. Elec. Eng. (GB)

†**IEE Proc. H (GB)** (vol.127, no.1 Feb. 1980—)
Coden: IPHADT ISSN 0143-7097
IEE Proceedings H (Microwaves, Optics and Antennas) Institution of Electrical Engineers, P.O. Box 8, Southgate House, Stevenage, Herts. SG1 1HQ, England. Supersedes in part: Proc. Inst. Elec. Eng. (GB)

†**IEE Proc. I (GB)** (vol.127, no.1 Feb. 1980—)
Coden: IPIDD9 ISSN 0143-7100
IEE Proceedings I (Solid-State and Electron Devices) Institution of Electrical Engineers, P.O. Box 8, Southgate House, Stevenage, Herts. SG1 1HQ, England. Supersedes in part: Proc. Inst. Elec. Eng. (GB)

IEE Rev. (GB) (vol.118, no.9R Sept. 1971—)
Coden: IERWAV
IEE Reviews Merged with Proc. Inst. Electr. Eng. (GB) to form IEE Proc. (GB)

†**IEEE Circuits & Syst. Mag. (USA)** (vol.1, no.1 1979—)
Coden: ICSYDV ISSN 0163-6812
IEEE Circuits and Systems Magazine Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

IEEE Commun. Mag. (USA) (vol.17, no.1 Jan. 1979—)
Coden: ICOMD9 ISSN 0163-6804
IEEE Communications Magazine Formerly: IEEE Commun. Soc. Mag. (USA)
Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

IEEE Commun. Soc. Mag. (USA) (vol.15, no.3 Sept. 1977—)
Coden: ICSMDT
IEEE Communications Society Magazine Title changed to: IEEE Commun. Mag. (USA)

IEEE Comput. Graphics & Appl. (USA) (vol.1, no.1 Jan. 1981—)
Coden: ICGADZ ISSN 0272-1716
IEEE Computer Graphics and Applications Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

†**IEEE Control Syst. Mag. (USA)** (vol.1, no.1 March 1981—)
Coden: ISMAD7 ISSN 0272-1708
IEEE Control Systems Magazine Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

†**IEEE Electron Device Lett. (USA)** (vol.1, no.1 Jan. 1980—)
Coden: EDLEDZ ISSN 0193-8576
IEEE Electron Device Letters Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

IEEE Eng. Med. & Biol. Mag. (USA) (vol.1, no.2 June 1982—)
Coden: IEMBDE ISSN 0278-0054
IEEE Engineering in Medicine and Biology Magazine Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

†**IEEE J. Oceanic Eng. (USA)** (vol.OE-1, no.1 Sept. 1976—)
Coden: IJOEDY ISSN 0364-9059
IEEE Journal of Oceanic Engineering Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

†**IEEE J. Quantum Electron. (USA)** (1968—)
Coden: IEJQA7 ISSN 0018-9197
IEEE Journal of Quantum Electronics Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

†**IEEE J. Sel. Areas Commun. (USA)** (vol.SAC-1, no.1 Jan. 1983—)
Coden: ISACEM ISSN 0733-8716
IEEE Journal on Selected Areas in Communications Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

†**IEEE J. Solid-State Circuits (USA)** (1968—)
Coden: IJSCBC ISSN 0018-9200
IEEE Journal of Solid-State Circuits Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

†**IEEE Micro (USA)** (vol.1, no.1 Feb. 1981—)
Coden: IEMIDZ ISSN 0272-1732
IEEE Micro Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

IEEE Power Eng. Rev. (USA) (vol.PER-1, no.1 Jan. 1981—)
Coden: IPERDV ISSN 0272-1724
IEEE Power Engineering Review Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

IEEE Proc.
See: Proc. IEEE (USA)

IEEE Spectrum (USA) (1968—)
Coden: IEESAM ISSN 0018-9235
IEEE Spectrum Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

†IEEE Trans. Acoust., Speech & Signal Process. (USA) (vol.ASSP-22, no.1 Feb. 1974—)
Coden: IETABA ISSN 0096-3518
IEEE Transactions on Acoustics, Speech and Signal Processing Formerly: IEEE Trans. Audio & Electroacoust. (USA)
Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

†IEEE Trans. Aerosp. & Electron. Syst. (USA) (1968—)
Coden: IEARAX ISSN 0018-9251
IEEE Transactions on Aerospace and Electronic Systems Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

†IEEE Trans. Antennas & Propag. (USA) (1968—)
Coden: IETPAK ISSN 0018-926X
IEEE Transactions on Antennas and Propagation Institute of Electrical and Electronics Engineers 345 East 47th Street, New York, NY 10017, USA

IEEE Trans. Audio & Electroacoust. (USA) (1968—)
Coden: ITADAS
IEEE Transactions on Audio and Electroacoustics Title changed to: IEEE Trans. Acoust., Speech & Signal Process. (USA)

†IEEE Trans. Autom. Control (USA) (1968—)
Coden: IETAA9 ISSN 0018-9286
IEEE Transactions on Automatic Control Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

†IEEE Trans. Biomed. Eng. (USA) (1968—)
Coden: IEBEAX ISSN 0018-9294
IEEE Transactions on Biomedical Engineering Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

IEEE Trans. Broadcast & Telev. Receivers (USA) (1968—)
Coden: IEETAP
IEEE Transactions on Broadcast and Television Receivers Title changed to: IEEE Trans. Consum. Electron. (USA)

†IEEE Trans. Broadcast. (USA) (1968—)
Coden: IETBAC ISSN 0018-9316
IEEE Transactions on Broadcasting Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

†IEEE Trans. Cable Telev. (USA) (vol.CATV-1, no.1 Oct. 1976—)
Coden: ITCTDL ISSN 0147-3204
IEEE Transactions on Cable Television Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

IEEE Trans. Circuit Theory (USA) (1968—)
Coden: IECTAF
IEEE Transactions on Circuit Theory Title changed to: IEEE Trans. Circuits & Syst. (USA)

†IEEE Trans. Circuits & Syst. (USA) (vol.CAS-21, no.1 Jan. 1974—)
Coden: ICSYBT ISSN 0098-4094
IEEE Transactions on Circuits and Systems Formerly: IEEE Trans. Circuit Theory (USA)
Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

†IEEE Trans. Commun. (USA) (vol.CON-20, no.1 Feb. 1972—)
Coden: IECMBT ISSN 0090-6778
IEEE Transactions on Communications Formerly: IEEE Trans. Commun. Technol. (USA)
Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

IEEE Trans. Commun. Technol. (USA) (1968—)
Coden: IETCAF
IEEE Transactions on Communication Technology Title changed to: IEEE Trans. Commun. (USA)

†IEEE Trans. Components, Hybrids & Manuf. Technol. (USA) (vol.CHMT-1, no.1 March 1978—)
Coden: ITTEDR ISSN 0148-6411
IEEE Transactions on Components, Hybrids, and Manufacturing Technology Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA. Formed by merger of IEEE Trans. Parts, Hybrids & Packag. (USA) and IEEE Trans. Manuf. Technol. (USA)

†IEEE Trans. Comput. (USA) (1968—)
Coden: ITCOB4 ISSN 0018-9340
IEEE Transactions on Computers Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

†IEEE Trans. Comput.-Aided Des. Integrated Circuits & Syst. (USA) (vol.CAD-1, no.1 Jan. 1982—)
Coden: ITCSDI ISSN 0278-0070
IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

†IEEE Trans. Consum. Electron. (USA) (vol.CE-21, no.1 Feb. 1975—)
Coden: ITCEDA ISSN 0098-3063
IEEE Transactions on Consumer Electronics Formerly: IEEE Trans. Broadcast & Telev. Receivers (USA)
Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

†IEEE Trans. Educ. (USA) (1968—)
Coden: IEEDAB ISSN 0018-9359
IEEE Transactions on Education Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

†IEEE Trans. Electr. Insul. (USA) (1968—)
Coden: IETIAX ISSN 0018-9367
IEEE Transactions on Electrical Insulation Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

†IEEE Trans. Electromagn. Compat. (USA) (1968—)
Coden: IEMCAE ISSN 0018-9375
IEEE Transactions on Electromagnetic Compatibility Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

†IEEE Trans. Electron Devices (USA) (1968—)
Coden: IETDAI ISSN 0018-9383
IEEE Transactions on Electron Devices Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

IEEE Trans. Eng. Manage. (USA) (1968—)
Coden: IEEMA4 ISSN 0018-9391
IEEE Transactions on Engineering Management Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

IEEE Trans. Eng. Writ. & Speech (USA) (1968—)
Coden: IEEWAY
IEEE Transactions on Engineering Writing and Speech Title changed to: IEEE Trans. Prof. Commun. (USA)

†IEEE Trans. Geosci. & Remote Sensing (USA) (vol.GE-18, no.1 Jan. 1980—)
Coden: IGRSD2 ISSN 0196-2892
IEEE Transactions on Geoscience and Remote Sensing Formerly: IEEE Trans. Geosci. Electron. (USA)
Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

IEEE Trans. Geosci. Electron. (USA) (1968—)
Coden: IEGEAO
IEEE Transactions on Geoscience Electronics Title changed to: IEEE Trans. Geosci. & Remote Sensing (USA)

IEEE Trans. Hum. Factors Electron. (USA) (1968—)
Coden: IEHFAW
IEEE Transactions on Human Factors in Electronics Title changed to: IEEE Trans. Man-Mach. Syst. (USA)

IEEE Trans. Ind. & Gen. Appl. (USA) (1968—)
Coden: ITGAAF
IEEE Transactions on Industry and General Applications Title changed to: IEEE Trans. Ind. Appl. (USA)

†IEEE Trans. Ind. Appl. (USA) (vol.IA-8, no.1 Jan.-Feb. 1972—)
Coden: ITIACR ISSN 0093-9994
IEEE Transactions on Industry Applications Formerly: IEEE Trans. Ind. & Gen. Appl. (USA)
Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

IEEE Trans. Ind. Electron. & Control Instrum. (USA) (1968—)
Coden: IICIAA ISSN 0018-9421
IEEE Transactions on Industrial Electronics and Control Instrumentation Title changed to: IEEE Trans. Ind. Electron. (USA)

†IEEE Trans. Ind. Electron. (USA) (vol.IE-29, no.1 Feb. 1982—)
Coden: ITIED6 ISSN 0278-0046
IEEE Transactions on Industrial Electronics Formerly: IEEE Trans. Ind. Electron. & Control Instrum. (USA)
Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

†IEEE Trans. Inf. Theory (USA) (1968—)
Coden: IETTAW ISSN 0018-9448
IEEE Transactions on Information Theory Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

†IEEE Trans. Instrum. & Meas. (USA) (1968—)
Coden: IEIMAO ISSN 0018-9456
IEEE Transactions on Instrumentation and Measurement Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

†IEEE Trans. Magn. (USA) (1968—)
Coden: IEMGAQ ISSN 0018-9464
IEEE Transactions on Magnetics Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

IEEE Trans. Man-Mach. Syst. (USA) (1968—)
Coden: ITMMAD
IEEE Transactions on Man-Machine systems Formerly: IEEE Trans. Hum. Factors Electron. (USA). Merged with IEEE Trans. Syst. Sci. & Cybern. (USA) to form IEEE Trans. Syst. Man & Cybern. (USA)

IEEE Trans. Manuf. Technol. (USA) (vol.MFT-1, no.1 June 1972—)
Coden: IETMBC
IEEE Transactions on Manufacturing Technology Merged with IEEE Trans. Parts, Hybrids & Packag. (USA) to form IEEE Trans. Components, Hybrids & Manuf. Technol. (USA)

†IEEE Trans. Med. Imaging (USA) (vol.MI-1, no.1 July 1982—)
Coden: ITMID4 ISSN 0278-0062
IEEE Transactions on Medical Imaging Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

†IEEE Trans. Microwave Theory & Tech. (USA) (1968—)
Coden: IETMAB ISSN 0018-9480
IEEE Transactions on Microwave Theory and Techniques Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

†IEEE Trans. Nucl. Sci. (USA) (1968—)
Coden: IETNAE ISSN 0018-9499
IEEE Transactions on Nuclear Science Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

IEEE Trans. Parts Mater. & Packag. (USA) (1968—)
Coden: IEPMAP
IEEE Transactions on Parts, Materials and Packaging Title changed to: IEEE Trans. Parts, Hybrids & Packag. (USA)

IEEE Trans. Parts, Hybrids & Packag. (USA) (vol.PHP-7, no.2 June 1971—)
Coden: IEPHAA
IEEE Transactions on Parts, Hybrids and Packaging Formerly: IEEE Trans. Parts Mater. & Packag. (USA). Merged with IEEE Trans. Manuf. Technol. (USA) to form IEEE Trans. Components, Hybrids & Manuf. Technol. (USA)

†IEEE Trans. Pattern Anal. & Mach. Intell. (USA) (vol.PAMI-1, no.1 Jan. 1979—)
Coden: ITPIDJ ISSN 0162-8828
IEEE Transactions on Pattern Analysis and Machine Intelligence Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

†IEEE Trans. Plasma Sci. (USA) (vol.PS-2, no.2 June 1973—)
Coden: ITPSBD ISSN 0093-3813
IEEE Transactions on Plasma Science Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

†IEEE Trans. Power Appar. & Syst. (USA) (1968—)
Coden: IEPSA9 ISSN 0018-9510
IEEE Transactions on Power Apparatus and Systems Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

IEEE Trans. Prof. Commun. (USA) (vol.PC-15, no.1 March 1972—)
Coden: IEPCBU ISSN 0361-1434
IEEE Transactions on Professional Communications Formerly: IEEE Trans. Eng. Writ. & Speech (USA)
Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

†IEEE Trans. Reliab. (USA) (1968—)
Coden: IERQAD ISSN 0018-9529
IEEE Transactions on Reliability Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

†IEEE Trans. Software Eng. (USA) (vol.SE-1, no.1 March 1975—)
Coden: IESEDJ ISSN 0098-5589
IEEE Transactions on Software Engineering Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

†IEEE Trans. Sonics & Ultrason. (USA) (1968—)
Coden: IESUAU ISSN 0018-9537
IEEE Transactions on Sonics and Ultrasonics Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

IEEE Trans. Syst. Sci. & Cybern. (USA) (1968—)
Coden: IESCAA
IEEE Transactions on Systems Science and Cybernetics Merged with IEEE Trans. Man-Mach. Syst. (USA) to form IEEE Trans. Syst. Man & Cybern. (USA)

†IEEE Trans. Syst., Man & Cybern. (USA) (vol.SMC-1, no.1 Jan. 1971—)
Coden: ISYMAW ISSN 0018-9472
IEEE Transactions on Systems, Man and Cybernetics Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA. Formed by merger of IEEE Trans. Man-Mach. Syst. (USA) and IEEE Trans. Syst. Sci. & Cybern. (USA)

†IEEE Trans. Veh. Technol. (USA) (1968—)
Coden: ITVTAB ISSN 0018-9545
IEEE Transactions on Vehicular Technology Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

IES J. (Singapore) (vol.19, no.2 Dec. 1979—)
Coden: IEJOD4 ISSN 0377-7464
IES Journal Institution of Engineers, Singapore, 1306 International Plaza, Anson Road, Singapore 2, Singapore

IES Light. Rev. (Australia) (vol.31, no.3 June 1969—)
Coden: IELRBL ISSN 0018-9618
IES Lighting Review Title changed to: Light. Aust. (Australia)

IFOC Int. Fiber Opt. & Commun. (USA) (vol.2, no.1 Jan. 1981—)
Coden: IIFCDA ISSN 0199-5820
IFOC. International Fiber Optics and Communications Information Gatekeepers Inc., 167 Corey Road, Suite 111, Brookline, MA 02146, USA

IHVE J. (GB) (vol.36 Dec. 1968—)
Coden: IHVJAX
IHVE Journal Title changed to: Build. Serv. Eng. (GB)

IIASA Rep. (Austria) (vol.1, no.1 Jan.-March 1980—)
Coden: IIRED8 ISSN 0250-7625
IIASA Reports International Institute for Applied Systems Analysis, A-2361 Laxenburg, Austria

IIE Trans. (USA) (vol.14, no.1 March 1982—)
Coden: IIETDM ISSN 0569-5554
IIE Transactions Formerly: AIIE Trans. (USA)
Institute of Industrial Engineers Inc., 25 Technology Park/Atlanta, Norcross, GA 30092, USA

Illum. Eng. (USA) (1968—)
Coden: ILENBN
Illuminating Engineering Journal split into two parts: Light Des. & Appl. (USA) and J. Illum. Eng. Soc. (USA)

Illum. Eng. Inst. Jpn. J.
See: J. Illum. Eng. Inst. Jpn. (Japan)

Illum. Eng. Soc. J.
See: J. Illum. Eng. Soc. (USA)

Ilmenau Tech. Hochsch. Wiss. Z.
See: Wiss. Z. Tech. Hochsch. Ilmenau (Germany)

IMA J. Appl. Math. (GB) (vol.27, no.1 Jan. 1981—)
Coden: IJAMDM ISSN 0272-4960
IMA Journal of Applied Mathematics Formerly: J. Inst. Math. & Appl. (GB)
Academic Press Inc. (London) Ltd., 24-28 Oval Road, London NW1 7DX, England

IMA J. Numer. Anal. (GB) (vol.1, no.1 Jan. 1981—)
Coden: IJNADH ISSN 0272-4979
IMA Journal of Numerical Analysis Academic Press Inc. (London) Ltd., 24-28 Oval Road, London NW1 7DX, England

IMC J. (USA) (vol.2, no.1 1979—)
Coden: IMGCB7 ISSN 0019-0012
IMC Journal International Micrographic Congress, P.O. Box 22440, San Diego, CA 92122, USA

Impact: Inf. Technol. (USA) (1983—)
Impact: Information Technology Title changed to: Impact: Off. Autom. (USA)

Impact: Off. Autom. (USA) (vol.6, no.8 Aug. 1983—)
Impact: Office Automation Formerly: Impact: Inf. Technol. (USA)
Administrative Management Society, Maryland Road, Villow Grove, PA 19090, USA

In Bus. (USA) (vol.4, no.5 Sept.-Oct. 1982—)
Coden: INBSD5 ISSN 0190-2458
In Business JG Press Inc., Box 323, 18 South Seventh Street, Emmaus, PA 18049, USA

Inc. (USA) (vol.5, no.5 May 1983—)
Coden: INCCDU ISSN 0162-8968
Inc Inc. Publishing Co., 38 Commercial Warf, Boston, MA 02110, USA

Incremental Motion Control Syst. Devices Newsl. (USA) (vol.1, no.1 Oct. 1972—)
Coden: IMCNBK
Incremental Motion Control Systems and Devices Newsletter University of Illinois, Urbana, IL 61801, USA

Ind. & Eng. Chem., Fundam. (USA) (1968—)
Coden: IECFA7 ISSN 0196-4313
Industrial and Engineering Chemistry, Fundamentals American Chemical Society, 1155 Sixteenth Street N.W., Washington, DC 20036, USA

Ind. & Eng. Chem., Process Des. & Dev. (USA) (1968—)
Coden: IEPDAW ISSN 0196-4305
Industrial and Engineering Chemistry, Process Design and Development American Chemical Society, 1155 Sixteenth Street N.W., Washington, DC 20036, USA

Ind. & Eng. Chem., Prod. Res. & Dev. (USA) (1968—)
Coden: IEPRA6 ISSN 0196-4321
Industrial and Engineering Chemistry, Product Research and Development American Chemical Society, 1155 Sixteenth Street N.W., Washington, DC 20036, USA

Ind. Ceram. (France) (no.746 1981—)
Coden: IDCQAX ISSN 0019-9044
Industrie Ceramique Formerly: Bull. Soc. Fr. Ceram. (France)
14 rue Falguiere, 75015 Paris, France

Ind. Commer. Train. (GB) (vol.15, no.7 July 1983—)
Coden: ILCTAU ISSN 0019-7858
Industrial and Commercial Training Wellens Publishing, Guilsborough, Northampton NN6 8PY, England

Ind. Datatek. (Sweden) (vol.1, no.6 Aug. 1981—)
Coden: IDIDDR ISSN 0349-8476
Industriell Datateknik Ingenjorsforlaget AB, Box 27315, 102 54 Stockholm, Sweden

Ind. Eng. (USA) (vol.1, no.5 May 1969—)
Coden: IDLEB9 ISSN 0019-8234
Industrial Engineering American Institute of Industrial Engineers, 25 Technology Park/Atlanta, Norcross, GA 30092, USA

Ind. Finish. & Surf. Coatings (GB) (vol.23, no.279 Sept. 1971—)
Coden: IFSCBI
Industrial Finishing and Surface Coatings Merged into: Finish. Ind. (GB)

Ind. Ital. Elettrotec. & Elettron. (Italy) (1968—)
Coden: IIELAT
Industria Italiana Elettrotecnica ed Elettronica Title changed to: Tecnol. Elettr. (Italy)

Ind. Lab. (USA) (vol.35, no.3 March 1969—)
Coden: INDLAP ISSN 0019-8447
Industrial Laboratory [Translation of: *Zavod. Lab. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10013, USA

Ind. Manage. + Data Syst. (GB) (Sept. 1980—)
Coden: IMDSD8 ISSN 0007-6929
Industrial Management + Data Systems Formerly: Data Syst. (GB)
M.C.B. Publications, 198-200 Keighley Road, Bradford, West Yorks. BD9 4JQ, England

Ind. Mark. (USA) (March 1983—)
ISSN 0019-8498
Industrial Marketing Title changed to: Bus. Mark. (USA)

Ind. Math. (USA) (vol.21, pt.1 1971—)
Coden: IMTHAI ISSN 0019-8528
Industrial Mathematics Industrial Mathematics Society, P.O. Box 159, Roseville, MI 48066, USA

Ind. Med. & Surg. (USA) (vol.41, no.5 May 1972—)
Coden: IMSUAI
Industrial Medicine & Surgery Title changed to: Int. J. Occup. Health & Saf. (USA)

Ind. Photogr. (USA) (vol.21, no.3 March 1972—)
Coden: INPHA5 ISSN 0019-8595
Industrial Photography United Business Publications Inc., 475 Park Avenue South, New York, NY 10016, USA

Ind. Res./Dev. (USA) (vol.20, no.3 March 1978—)
Coden: IRDEDZ ISSN 0160-4074
Industrial Research/Development Formerly: Res./Dev. (USA)
666 Fifth Avenue, New York, NY 10019, USA

Ind. Robot (GB) (vol.6, no.3 Sept. 1979—)
Coden: IDRBAT ISSN 0143-991X
Industrial Robot IFS (Publications) Ltd., 35-39 High Street, Kempston, Bedford MK42 7BT, England

Ind. Soc. (GB) (vol.65 March 1983—)
Coden: ISOCBL ISSN 0019-8781
Industrial Society Industrial Society, 3 Carlton House Terrace, London SW1Y 5DG, England

Ind.-Anz. (Germany) (vol.93, no.23 16 March 1971—)
Coden: IANZAQ ISSN 0019-9036
Industrie-Anzeiger Verlag W. Giradet, 43 Essen 1, Girardetstrasse 2-38, Postfach 9, Germany

Indep. Broadcast. Auth. Tech. Rev.
See: IBA Tech. Rev. (GB)

Indexer (GB) (vol.8, no.4 Oct. 1973—)
Coden: IDXRA5 ISSN 0019-4131
Indexer Society of Indexers and American Society of Indexers, c/o Barclays Bank Ltd., 1 Pall Mall East, London, SW1Y 5AX, England

Indian & East. Eng. (1968—)
Coden: IEAEAS ISSN 0019-4352
Indian and Eastern Engineer 'Piramal Mansion', 235 Dr. D. Naoroji Road, Bombay 400001, India

Indian Acad. Sci. Proc. Chem. Sci.
See: Proc. Indian Acad. Sci. Chem. Sci.

Indian Acad. Sci. Proc. Earth & Planet. Sci.
See: Proc. Indian Acad. Sci. Earth & Planet. Sci.

Indian Acad. Sci. Proc. Eng. Sci.
See: Proc. Indian Acad. Sci. Eng. Sci.

Indian Acad. Sci. Proc. Math. Sci.
See: Proc. Indian Acad. Sci. Math. Sci.

Indian Assoc. Cultiv. Sci. Proc.
See: Proc. Indian Assoc. Cultiv. Sci.

Indian Inst. Met. Trans.
See: Trans. Indian Inst. Met.

Indian Inst. Sci. J.
See: J. Indian Inst. Sci.

Indian J. Chem. (vol.6, no.7 July 1968—)
Coden: IJOCAP
Indian Journal of Chemistry Journal split into two sections: Indian J. Chem. A and B

Indian J. Chem. A (vol.14A, no.1 Jan. 1976—)
Coden: IJOCAP ISSN 0019-5103
Indian Journal of Chemistry Section A (Inorganic, Physical, Theoretical and Analytical) Sales & Distribution Officer, Publications & Information Directorate, CSIR, Hillside Road, New Delhi 110012, India. Supersedes in part: Indian J. Chem.

Indian J. Chem. B (vol.14B, no.1 Jan. 1976—)
Coden: IJOCAP ISSN 0019-5103
Indian Journal of Chemistry Section B (Organic Including Medicinal) Sales & Distribution Officer, Council of Scientific and Industrial Research, Hillside Road, New Delhi 110012, India. Supersedes in part: Indian J. Chem.

Indian J. Cryog. (vol.2, no.2 1977—)
Coden: IJCRDD ISSN 0379-0479
Indian Journal of Cryogenics Indian Cryogenics Council, Jadavpur University, Calcutta 700 032, India

Indian J. Mar. Sci. (vol.1, no.1 June 1972—)
Coden: IJMNBF ISSN 0379-5136
Indian Journal of Marine Sciences Council of Scientific & Industrial Research. Editorial address: Publications & Information Directorate, Hillside Road, New Delhi-12, India

Indian J. Meteorol. & Geophys. (1968—)
Coden: IJMGAR
Indian Journal of Meteorology and Geophysics Title changed to: Indian J. Meteorol. Hydrol. & Geophys.

Indian J. Meteorol. Hydrol. & Geophys. (vol.26, no.1 1975—)
Coden: IJMGDU
Indian Journal of Meteorology Hydrology & Geophysics Formerly: Indian J. Meteorol. & Geophys. Title changed to: Mausam (India)

Indian J. Phys. (1968—)
Coden: IJPYAS
Indian Journal of Physics Journal split into two parts: Indian J. Phys. Parts A and B

†**Indian J. Phys. Part A** (vol.51A, no.1 Jan. 1977—)
Coden: IJPYAS ISSN 0374-3330
Indian Journal of Physics Part A Indian Association for the Cultivation of Science, 2 & 3 Raja Subodh Chandra Mallik Road, Calcutta 700 032, India. Supersedes in part: Indian J. Phys.

†**Indian J. Phys. Part B** (vol.51B, no.1 1977—)
Coden: IJPYAS ISSN 0374-3330
Indian Journal of Physics Part B Indian Association for the Cultivation of Science, 2 & 3 Raja Subodh Chandra Mallik Road, Calcutta 700032, India. Supersedes in part: Indian J. Phys.

Indian J. Power & River Val. Dev. (vol.19, no.1 Jan. 1969—)
Coden: IJPRA7 ISSN 0019-5537
Indian Journal of Power and River Valley Development 6-2 Madan Street, Calcutta 700072, India

Indian J. Pure & Appl. Math. (vol.1, no.1 Jan. 1970—)
Coden: IJMHAU ISSN 0019-5588
Indian Journal of Pure and Applied Mathematics Indian National Science Academy, Bahadur Shah Zafar Marg, New Delhi 110002, India

†**Indian J. Pure & Appl. Phys.** (1968—)
Coden: IJOPAU ISSN 0019-5596
Indian Journal of Pure and Applied Physics Sales & Distribution Officer, Publications & Information Directorate, CSIR, Hillside Road, New Delhi 110012, India

†**Indian J. Radio & Space Phys.** (vol.1, no.1 March 1972—)
Coden: IJRSAK ISSN 0367-8393
Indian Journal of Radio & Space Physics Sales & Distribution Officer, Publications & Information Directorate, CSIR, Hillside Road, New Delhi 110012, India

Indian J. Technol. (1968—)
Coden: IJOTA8 ISSN 0019-5669
Indian Journal of Technology Sales & Distribution Officer, Publications & Information Directorate, Hillside Road, New Delhi 110012, India

†**Indian J. Theor. Phys.** (1968—)
Coden: IJTPAL ISSN 0019-5693
Indian Journal of Theoretical Physics Institute of Theoretical Physics, Bognan Kutir, 4-1 Mohan Bagan Lane, Calcutta 700004, India

Indian Natl. Sci. Acad. Bull.
See: Bull. Indian Natl. Sci. Acad.

Indian Natl. Sci. Acad. Proc. Part A
See: Proc. Indian Natl. Sci. Acad. Part A

Indian Stand. Inst. Bull.
See: ISI Bull. (India)

†**Inf. & Control (USA)** (1968—)
Coden: IFCNA4 ISSN 0019-9958
Information and Control Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

Inf. & Diritto (Italy) (vol.8, no.1 Jan.-April 1982—)
Coden: IDIRDZ
Informatica e Diritto Istituto per la Documentazione Giuridica, via Panciatichi 56/16, 50127 Firenze, Italy

Inf. & Etud. Medievales
See: Comput. & Medieval Data Process. (Canada)

†**Inf. & Gestion (France)** (no.30 Aug.-Sept. 1971—)
Coden: IFQGAJ ISSN 0020-062X
Informatique et Gestion 41 rue de la Grange-aux-Belles, 75483 Paris Cedex 10, France

†**Inf. & Manage. (Netherlands)** (vol.1, no.1 Nov. 1977—)
Coden: IMANDC ISSN 0378-7206
Information and Management Formerly: Manage. Datamatics (Netherlands)
North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

Inf. & Rec. Manage. (USA) (1983—)
Information & Records Management 101 Crossways Park West, Woodbury, NY 11797, USA

Inf. & Referral: J. Alliance Inf. Referral Syst. (USA) (vol.3, no.2 Winter 1981—)
Coden: IREFD9 ISSN 0278-2383
Information and Referral: Journal of the Alliance of Information Referral Systems AIRS National Office, 370 South Fifth Street, Suite G-2, Columbus, OH 43215, USA

Inf. Age (GB) (vol.4, no.1 Jan. 1982—)
Coden: IAGEDX ISSN 0261-4103
Information Age Formerly: Inf. Privacy (GB)
Butterworth Scientific Ltd., Journals Division, P.O.Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England

Inf. Bull. Libr. Autom. Syst. Inf. Exch. (Australia) (vol.2, no.5 March-April 1972—)
Coden: IBLEAS
Information Bulletin of the Library Automated Systems Information Exchange Title changed to: LASIE (Australia)

†**Inf. Bull. Variable Stars (Hungary)** (no.1937 17 March 1981—)
Coden: IBVSDL ISSN 0374-0676
Information Bulletin on Variable Stars Commission 27 of the I.A.U., Konkoly Observatory, Budapest, Hungary

Inf. Disp. (USA) (vol.6, no.5 Sept.-Oct. 1969—)
Coden: INFDAB
Information Display Title changed to: SID J. (USA)

Inf. Disp. (USA) (vol.11, no.6 1974—)
Coden: INFDAB ISSN 0020-0042
Information Display Formerly: SID J. (USA)
Society for Information Display, 654 North Sepulveda Boulevard, Los Angeles, CA 90049, USA

Inf. Econ. & Policy (Netherlands) (vol.1, no.1 1983—)
ISSN 0167-6245
Information Economics and Policy Elsevier Science Publishers B.V. (North-Holland), P.O.Box 1991, 1000 BZ Amsterdam, Netherlands

Inf. Elektron. (Hungary) (vol.4, no.4 1969—)
Coden: INFEBF ISSN 0019-9753
Informacio Elektronika Statistikai Kiado Vallalat, Budapest III, Kaszas u. 10-12, Hungary

Inf. Elettron. (Italy) (no.12 Dec. 1980—)
Coden: INELDX ISSN 0390-2455
Informazione Elettronica Editrice Il Rostro s.a.s., Via Monte Generoso 6/A, 20155 Milano, Italy

Inf. Intell. Online Newsl. (USA) (vol.3, no.1 Jan. 1982—)
Coden: IIONDK ISSN 0194-0694
Information Intelligence Online Newsletter Information Intelligence Inc., P.O.Box 31098, Phoenix, AZ 85046, USA

Inf. Privacy (GB) (vol.1, no.1 Sept. 1978—)
Coden: INPRD4 ISSN 0141-3406
Information Privacy Title changed to: Inf. Age (GB)

†**Inf. Process. & Manage. (GB)** (vol.11, no.1-2 June 1975—)
Coden: IPMADK ISSN 0306-4573
Information Processing & Management Formerly: Inf. Storage & Retr. (GB)
Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

†**Inf. Process. Lett. (Netherlands)** (vol.1, no.3 Feb. 1972—)
Coden: IFPLAT ISSN 0020-0190
Information Processing Letters North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

Inf. Process. Mach. (Czechoslovakia) (no.22 1982—)
Coden: IPRMDD ISSN 0373-885X
Information Processing Machines Academia, Publishing House of the Czechoslovak Academy of Sciences, 112 29 Praha 1, Nove Mesto, Vodickova 40, Czechoslovakia

Inf. Process. Soc. Jpn. (Joho Shori) (Japan) (vol.16, no.2 1975—)
Coden: JOSHA4 ISSN 0447-8053
Information Processing Society of Japan (Joho Shori) Formerly: J. Inf. Process. Soc. Jpn. (Japan)
Kikai Shino Building, no. 3-5-8 Shiba-Koen, Minato-ku, Tokyo, Japan

Inf. Process. Soc. Jpn. Trans.
See: Trans. Inf. Process. Soc. Jpn. (Japan)

Inf. Rade Koncar (Yugoslavia) (no.45-46 1968—)
Coden: IRKOAT
Informacije Rade Koncar Title changed to: Koncar Strucne Inf. (Yugoslavia)

†**Inf. Sciences (USA)** (vol.1, no.1 Dec. 1968—)
Coden: ISIJBC ISSN 0020-0255
Information Sciences Elsevier North-Holland Inc., 52 Vanderbilt Avenue, New York, NY 10017, USA

Inf. Scientist (GB) (vol.2, no.3 Nov. 1968—)
Coden: INFSBN
Information Scientist Title changed to: J. Inf. Sci. Princ. & Pract. (Netherlands)

†**Inf. Serv. & Use (Netherlands)** (vol.1, no.1 March 1981—)
Coden: ISUDX8 ISSN 0167-5265
Information Services & Use North-Holland Publishing Co., P.O.Box 211, 1000 AE Amsterdam, Netherlands

Inf. Soc. (USA) (vol.1, no.2 1981—)
Coden: INSCD8 ISSN 0197-2243
Information Society Crane, Russak & Co. Inc., 3 East 44th Street, New York, NY 10017, USA

Inf. Storage & Retr. (GB) (1968—)
Coden: IFSRAS
Information Storage and Retrieval Title changed to: Inf. Process. & Manage. (GB)

†**Inf. Syst. (GB)** (vol.1, no.1 Jan. 1975—)
Coden: INSYD6 ISSN 0306-4379
Information Systems Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Inf. Technol. & Libr. (USA) (vol.1, no.1 March 1982—)
ISSN 0730-9295
Information Technology and Libraries Formerly: J. Libr. Autom. (USA)
Library and Information Technology Association, 50 East Huron Street, Chicago, IL 60611, USA

Inf. Technol. & People (GB) (vol.3, no.1 1983-1984—)
Coden: ITPED7 ISSN 0261-1732
Information Technology and People CITECH, P.O.Box 5, Ickenham, Uxbridge, Middx. UB10 8AF, England

Inf. Technol. Res. & Dev. (GB) (vol.1, no.1 Jan. 1982—)
Coden: ITRDDE ISSN 0144-817X
Information Technology: Research and Development Butterworth Scientific Ltd., Journals Division, P.O.Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England

Infomatics (GB) (vol.1, no.1 1 Sept. 1980—)
Coden: IFMTD7 ISSN 0260-7247
Infomatics VNU Business Publications B V, 53-55 Frith Street, London W1A 2HG, England

†**INFOR (Canada)** (vol.9, no.1 March 1971—)
Coden: INFRCL ISSN 0315-5986
INFOR. Canadian Journal of Operational Research and Information Processing Formerly: Can. Oper. Res. Soc. J. (Canada)
University of Toronto Press, 5201 Dufferin Street, Downsview, Ontario M3H 5T8, Canada

†**Informatie (Netherlands)** (no.9 Sept. 1972—)
Coden: INFTCR ISSN 0019-9907
Informatie Overboslaan 49, 3722 BK Bilthoven, Netherlands

Informatik (Germany) (vol.19, no.1 1972—)
Coden: IIDWAN ISSN 0019-9915
Informatik Interwerbung, Gesellschaft fur Werbung und Auslandmessen, DDR 104 Berlin, Tucholskystrasse 40, Germany

Informatologia Yugoslavica (vol.1 1969—)
Coden: INYUAL ISSN 0046-9483
Informatologia Yugoslavica Univerzitet u Zagreb, Referalni Centar, Trg. Marsala Tita 3, P.O. Box 327, 41001 Zagreb, Yugoslavia

Informatyka (Poland) (vol.8, no.1 Jan. 1973—)
Coden: IFMKBC ISSN 0542-9951
Informatyka Wydawnictwa Czasopism Technicznych Not. ul. Swietokrzyska 14a, 00-950 Warszawa, Skrytka Pocztowa 1004, Poland

Infosystems (USA) (vol.28, no.1, pt.1 Jan. 1981—)
Coden: IFSYAF ISSN 0364-5533
Infosystems Hitchcock Publishing Co., Hitchcock Building, Wheaton, IL 60187, USA

InfoWorld (USA) (vol.3, no.14 20 July 1981—)
Coden: INWODU ISSN 0199-6649
InfoWorld Popular Computing Inc., 530 Lytton Avenue, Palo Alto, CA 94301, USA

†**Infrared Phys. (GB)** (1968—)
Coden: INFPAD ISSN 0020-0891
Infrared Physics Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Ing. Electr. & Mec. (Venezuela) (1968—)
Coden: INEMBY ISSN 0020-1049
Ingenieria Electrica y Mecanica Organo de la Associacion Venezolana de Ingenieros Electricos y Mecanicos, Apartado 6255, Caracas, Venezuela

Ing. Mec. & Electr. (Mexico) (vol.25, no.246 Feb.-March 1971—)
Coden: IMYEAY ISSN 0374-339X
Ingenieria Mecanica y Electrica Asociacion Mexicana de Ingenieros Mecanicos y Electricistas, Culiacan 115, Mexico 11, D.F, Mexico

Ing.-Arch. (Germany) (1968—)
Coden: INARAS ISSN 0020-1154
Ingenieur-Archiv Springer-Verlag, D-1000 Berlin 33, Heidelberger Platz 3, Germany

Ingegnere (Italy) (1968—)
Coden: IGMIAC ISSN 0020-0905
L'Ingegnere Associazione Nazionale Ingegnerie Architetti Italiani, Piazza Sallusto 24, 00187 Roma, Italy

Ingenieur (Canada) (1968—)
Coden: INMOAB ISSN 0020-1138
L'Ingenieur a/s Ecole Polytechnique, Case postale 6079, Succursale 'A' Montreal, Quebec H3C 3A7, Canada

Ingenieur (Netherlands) (1968—)
Coden: INGRAO ISSN 0020-1146
De Ingenieur Koninklijk Institut van Ingenieurs. Editorial address: 23 Prinsessegracht, Den Haag, Netherlands

Inorg. & Nucl. Chem. Lett. (GB) (1968—)
Coden: INUCAF ISSN 0020-1650
Inorganic and Nuclear Chemistry Letters Merged with J. Inorg. & Nucl. Chem. (GB) to form Polyhedron (GB)

Inorg. Mater. (USA) (vol.7, no.6 June 1971—)
Coden: INOMAF ISSN 0020-1685
Inorganic Materials [Translation of: *Izv. Akad. Nauk SSSR Neorg. Mater.*] Consultants Bureau, 233 Spring Street, New York, NY 10013, USA

Inorga (Czechoslovakia) (vol.8, no.4 1974—)
Coden: INRGBD
INORGA Title changed to: Autom. Syst. Rizeni (Czechoslovakia)

INSPEL (Germany) (vol.7, no.1 Jan. 1972—)
Coden: INPLBI ISSN 0019-0217
INSPEL. International Journal of Special Libraries Technische Universitat Berlin, Universitatsbibliothek, Abt. Publikationen, Budapest Strasse 40, D-1000 Berlin 30, Germany

Inst. Electr. Eng. Jpn. Trans. Part A
See: Trans. Inst. Electr. Eng. Jpn. Part A (Japan)

Inst. Electr. Eng. Jpn. Trans. Part B
See: Trans. Inst. Electr. Eng. Jpn. Part B (Japan)

Inst. Electr. Eng. Jpn. Trans. Part C
See: Trans. Inst. Electr. Eng. Jpn. Part C (Japan)

Inst. Electr. Eng. Jpn. Trans. Sect. E
See: Trans. Inst. Electr. Eng. Jpn. Sect. E (Japan)

Inst. Electron. & Commun. Eng. Jpn. J.
See: J. Inst. Electron. & Commun. Eng. Jpn. (Japan)

Inst. Electron. & Commun. Eng. Jpn. Trans. Part A
See: Trans. Inst. Electron. & Commun. Eng. Jpn. Part A (Japan)

Inst. Electron. & Commun. Eng. Jpn. Trans. Part B
See: Trans. Inst. Electron. & Commun. Eng. Jpn. Part B (Japan)

Inst. Electron. & Commun. Eng. Jpn. Trans. Part C
See: Trans. Inst. Electron. & Commun. Eng. Jpn. Part C (Japan)

Inst. Electron. & Commun. Eng. Jpn. Trans. Part D
See: Trans. Inst. Electron. & Commun. Eng. Jpn. Part D (Japan)

Inst. Electron. & Commun. Eng. Jpn. Trans. Sect. E
See: Trans. Inst. Electron. & Commun. Eng. Jpn. Sect. E (Japan)

Inst. Electron. & Telecommun. Eng. J.
See: J. Inst. Electron. & Telecommun. Eng. (India)

Inst. Energy J.
See: J. Inst. Energy (GB)

Inst. Eng. (India) Electr. Eng. Div. J.
See: J. Inst. Eng. (India) Electr. Eng. Div.

Inst. Eng. (India) Electron. & Telecommun. Eng. Div. J.
See: J. Inst. Eng. (India) Electron. & Telecommun. Eng. Div.

Inst. Eng. (India) Mech. Eng. Div. J.
See: J. Inst. Eng. (India) Mech. Eng. Div.

Inst. Eng. Aust. Chem. Eng. Aust. (Australia) (vol.CE1, no.1-2 1976—)
Coden: CEAUDD
Institution of Engineers, Australia Chemical Engineering in Australia Title changed to: Chem. Eng. Aust. (Australia)

Inst. Eng. Aust. Civ. Eng. Trans.
See: Trans. Inst. Eng. Aust. Civ. Eng. (Australia)

Inst. Eng. Aust. Civ. Eng. Trans. (Australia) (vol.CE13, no.1 April 1971—)
Coden: CVETBB
Institution of Engineers, Australia, Civil Engineering Transactions Title changed to: Trans. Inst. Eng. Aust. Civ. Eng. (Australia)

Inst. Eng. Aust. Electr. Eng. Trans. (Australia) (1968—)
Coden: ELETBV
Institution of Engineers, Australia, Electrical Engineering Transactions Title changed to: Trans. Inst. Eng. Aust. Electr. Eng. (Australia)

Inst. Eng. Aust. J.
See: J. Inst. Eng. Aust. (Australia)

Inst. Eng. Aust. Mech. & Chem. Eng. Trans. (Australia) (1968—)
Coden: IEMTBW
Institution of Engineers, Australia, Mechanical and Chemical Engineering Transactions Journal split into two parts: Inst. Eng. Aust. Chem. Eng. Aust. (Australia) and Inst. Eng. Aust. Mech Eng. Trans. (Australia)

Inst. Eng. Aust. Mech. Eng. Trans.
See: Trans. Inst. Eng. Aust. Mech. Eng. (Australia)

Inst. Eng. Aust. Mech. Eng. Trans. (Australia) (vol.ME1, no.1-2 1976—)
Coden: METSD8
Institution of Engineers, Australia, Mechanical Engineering Transactions Title changed to: Trans. Inst. Eng. Aust. Mech. Eng. (Australia)

Inst. Eng. Singapore J.
See: IES J. (Singapore)

Inst. Ind. Eng. Trans.
See: IIE Trans. (USA)

Inst. Low Temp. Sci. Contrib. Ser. A
See: Contrib. Inst. Low Temp. Sci. Ser. A (Japan)

Inst. Meas. & Control Trans.
See: Trans. Inst. Meas. & Control (GB)

Inst. Mech. Eng. Proc.
See: Proc. Inst. Mech. Eng. (GB)

Inst. Met. Finish. Trans.
See: Trans. Inst. Met. Finish. (GB)

Inst. Phys. & Chem. Res. Rep.
See: Rep. Inst. Phys. & Chem. Res. (Japan)

Inst. Phys. & Chem. Res. Sci. Pap.
See: Sci. Pap. Inst. Phys. & Chem. Res. (Japan)

Inst. Politeh. Iasi Bul. Sect. I
See: Bul. Inst. Politeh. Iasi Sect. I (Rumania)

Inst. Politeh. Iasi Bul. Sect. III
See: Bul. Inst. Politeh. Iasi Sect. III (Rumania)

Inst. R. Meteorol. Belg. Bull. Trimest. Obs. Ozone (Belgium) (vol.50, no.3 July-Sept. 1976—)
Coden: IRODAG
Institut Royal Meteorologique de Belgique Bulletin Trimestriel Observations d'Ozone Avenue Circulaire 3, 1180 Bruxelles, Belgium

Inst. R. Meteorol. Belg. Publ. Ser. A
See: Publ. Inst. R. Meteorol. Belg. Ser. A (Belgium)

Inst. R. Meteorol. Belg. Publ. Ser. B
See: Publ. Inst. R. Meteorol. Belg. Ser. B (Belgium)

Inst. Railw. Signal Eng. Proc.
See: Proc. Inst. Railw. Signal Eng. (GB)

Inst. Telev. Eng. Jpn. J.
See: J. Inst. Telev. Eng. Jpn. (Japan)

Instr. Innovator (USA) (vol.26, no.9 Nov. 1981—)
Coden: INIODS ISSN 0196-6979
Instructional Innovator Association for Educational Communications and Technology, 1126 Sixteenth Street, N.W., Washington, DC 20036, USA

Instrum. & Control Syst. (USA) (1968—)
Coden: INCSA7 ISSN 0164-0089
Instruments and Control Systems Title changed to: I&CS-Ind. & Process Control Mag. (USA)

†**Instrum. & Exp. Tech. (USA)** (1968—)
Coden: INETAK ISSN 0020-4412
Instruments and Experimental Techniques [Translation of: *Prib. & Tekh. Eksp. (USSR)*] Consultants Bureau, 233 Spring Street, New York, NY 10013, USA

Instrum. India (vol.3, no.7 July 1968—)
Coden: INSIBO ISSN 0047-0376
Instruments India IMDA, A-32, Navyug Niwas, 167 Dr. D. Bhadkamkar Road, Bombay 400007, India

Instrum. Technol.
See: InTech (USA)

Instrum. Technol. (USA) (1968—)
Coden: IRTCA4
Instrumentation Technology Title changed to: InTech (USA)

Instrumentation (USA) (1968—)
Coden: INSRAG ISSN 0020-4366
Instrumentation Honeywell Inc., Fort Washington, Philadelphia, PA 19034, USA

Insul./Circuits (USA) (vol.16, no.3 March 1970—)
Coden: ISCUBF ISSN 0020-4544
Insulation/Circuits Formerly: Insulation (USA) Title changed to: Electri.onics (USA)

Insulation (USA) (1968—)
Coden: INULA8
Insulation Title changed to: Insul./Circuits (USA)

Int. Assoc. Agric. Libr. & Doc. Q. Bull.
See: Q. Bull. Int. Assoc. Agric. Libr. & Doc. (Netherlands)

Int. Assoc. Tech. Univ. Libr. Proc.
See: IATUL Proc. (Sweden)

Int. Astron. Union Circ.
See: I.A.U. Circ. (USA)

Int. At. Energy Agency Bull. (Austria) (vol.12, no.2 1970—)
Coden: IAEBAB ISSN 0020-6067
International Atomic Energy Agency Bulletin Karntnerring 11, P.O. Box 590, A-1011 Wien, Austria

Int. Broadcast Eng. (GB) (no.80 Aug. 1971—)
Coden: IBREBP ISSN 0020-6229
International Broadcast Engineer Whitton Press Ltd., 50 High Street, Eton, Berks, England

Int. Broadcast. Syst. & Oper. (GB) (vol.3, no.4 April 1980—)
Coden: IBSODS ISSN 0141-1748
International Broadcasting Systems & Operation Formerly: Broadcast. Syst. & Oper. (GB)
BSO Publications Ltd., 13 Great James Street, London WC1N 3DP, England

Int. Bus. Equip. (Belgium) (vol.17, no.2 April 1980—)
Coden: IBSEBU ISSN 0377-9106
International Business Equipment Office Publications Inc., Rue Veydt 65, 1050 Brussels, Belgium

Int. Classif. (Germany) (vol.5, no.1 1978—)
Coden: INCLDN ISSN 0340-0050
International Classification Verlag Dokumentation Saur KG, Possenbacherstrasse 2, P.O. Box 711009, D-8000 Munchen 71, Germany

† indicates a journal abstracted completely

Int. Comet Q. (USA) (vol.1, no.1 Jan. 1979—)
Coden: ICOQDL ISSN 0736-6922
International Comet Quarterly Department of Physics and Astronomy, Appalachian State University, Boone, NC 28608, USA

†**Int. Commun. Heat & Mass Transfer (GB)** (vol.10, no.1 Jan.-Feb. 1983—)
Coden: IHMTDL ISSN 0735-1933
International Communications in Heat and Mass Transfer Formerly: Lett. Heat & Mass Transfer (GB)
Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Int. Electrotech. Comm. Bull.
See: IEC Bull. (Switzerland)

Int. Elektron. Rundsch. (Germany) (1968—)
Coden: IELRAK
Internationale Elektronische Rundschau Title changed to: Nachr. Elektron. (Germany)

Int. Fiber Opt. & Commun.
See: IFOC Int. Fiber Opt. & Commun. (USA)

Int. Forum Inf. & Doc. (USSR) (vol.7, no.1 Jan. 1982—)
Coden: IFIDD7 ISSN 0304-9701
International Forum on Information and Documentation All-Union Institute of Scientific and Technical Information (VINITI), 125219 Moscow, Baltijskaya ul. 14, USSR

Int. Inst. Appl. Syst. Anal. Rep.
See: IIASA Rep. (Austria)

Int. J. Ambient Energy (GB) (vol.3, no.1 Jan. 1982—)
Coden: IJAEDW ISSN 0143-0750
International Journal of Ambient Energy Ambient Press Ltd., Hornby, Lancaster LA2 8LB, England

Int. J. Appl. Radiat. & Isot. (GB) (1968—)
Coden: IJARAY ISSN 0020-708X
International Journal of Applied Radiation and Isotopes Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Int. J. Bio-Med. Comput. (Netherlands) (vol.5, no.1 Jan. 1974—)
Coden: IJBCBT ISSN 0020-7101
International Journal of Bio-Medical Computing Elsevier-North Holland Scientific Publishers, P.O. Box 211, 1000 AE Amsterdam, England

†**Int. J. Circuit Theory & Appl. (GB)** (vol.1, no.1 March 1973—)
Coden: ICTACV ISSN 0098-9886
International Journal of Circuit Theory and Applications John Wiley & Sons Ltd., Baffins Lane, Chichester, Sussex PO19 1UD, England

†**Int. J. Comput. & Inf. Sci. (USA)** (vol.1, no.1 March 1972—)
Coden: IJCIAH ISSN 0091-7036
International Journal of Computer & Information Sciences Plenum Publishing Corp., 233 Spring Street, New York, NY 10013, USA

Int. J. Comput. & Math. Electr. & Electron. Eng.
See: COMPEL-Int. J. Comput. & Math. Electr. & Electron. Eng. (Ireland)

†**Int. J. Comput. Math. (GB)** (vol.2, no.1 Jan. 1968—)
Coden: IJCMAT ISSN 0020-7160
International Journal of Computer Mathematics Gordon & Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DF, England

†**Int. J. Control (GB)** (1968—)
Coden: IJCOAZ ISSN 0020-7179
International Journal of Control Taylor and Francis Ltd., 4 John Street, London WC1N 2ET, England

Int. J. Earthquake Eng. & Struct. Dyn. (GB) (vol.2, no.1 July-Sept. 1973—)
Coden: IJEEBG
International Journal of Earthquake Engineering & Structural Dynamics Title changed to: Earthquake Eng. & Struct. Dyn. (GB)

†**Int. J. Electr. Eng. Educ. (GB)** (1968—)
Coden: IJEEAF ISSN 0020-7209
International Journal of Electrical Engineering Education Manchester University Press, Oxford Road, Manchester M13 9PL, England

†**Int. J. Electr. Power & Energy Syst. (GB)** (vol.2, no.1 Jan. 1980—)
ISSN 0142-0615
International Journal of Electrical Power & Energy Systems Butterworth Scientific Ltd., Journals Division, P.O.Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England

†**Int. J. Electron. (GB)** (1968—)
Coden: IJELA2 ISSN 0020-7217
International Journal of Electronics Taylor & Francis Ltd., 4 John Street, London WC1N 2ET, England

Int. J. Energy Res. (GB) (vol.1, no.1 Jan.-March 1977—)
Coden: IJERDN ISSN 0363-907X
International Journal of Energy Research John Wiley & Sons Ltd., Baffins Lane, Chichester, Sussex PO19 1UD, England

Int. J. Eng. Sci. (GB) (1968—)
Coden: IJESAN ISSN 0020-7225
International Journal of Engineering Science Pergamon Press Ltd., Headington Hill Hall, Oxford, 0X3 OBW, England. Incorporates Lett. Appl. & Eng. Sci. (GB)

Int. J. Fatigue (GB) (vol.2, no.1 Jan. 1980—)
Coden: IJFADB ISSN 0142-1123
International Journal of Fatigue Butterworth Scientific Ltd., Journals Division, P.O.Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England

†**Int. J. Fract. (Netherlands)** (vol.9, no.1 March 1973—)
Coden: IJFRAP ISSN 0376-9429
International Journal of Fracture Formerly: Int. J. Fract. Mech. (Netherlands)
Sijthoff & Noordhoff International Publishing, P.O. Box 4 Alphen Aan den Rijn, Netherlands

Int. J. Fract. Mech. (Netherlands) (vol.4, no.4 Dec. 1968—)
Coden: IJFMAA
International Journal of Fracture Mechanics Title changed to: Int. J. Fract. (Netherlands)

Int. J. Fusion Energy (USA) (vol.2, no.1 Summer 1978—)
Coden: IJFEDN ISSN 0146-4981
International Journal of Fusion Energy Fusion Energy Foundation, Suite 1711, 250 West 57th Street, New York, NY 10019, USA

†**Int. J. Game Theory (Austria)** (vol.1, no.1 1971—)
Coden: IJGTA2 ISSN 0020-7276
International Journal of Game Theory Physica Verlag Rudolf Liebing KG, A-1010 Wien, Seilerstaette 18, Austria

Int. J. Gen. Syst. (GB) (vol.1, no.1 1974—)
Coden: IJGSD2 ISSN 0308-1079
International Journal of General Systems Gordon & Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England

†**Int. J. Heat & Mass Transfer (GB)** (1968—)
Coden: IJHMAK ISSN 0017-9310
International Journal of Heat and Mass Transfer Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

†**Int. J. Hybrid Microelectron. (USA)** (vol.4, no.1 Spring 1981—)
Coden: IMICDJ
International Journal for Hybrid Microelectronics International Society for Hybrid Microelectronics, P.O.Box 3255, Montgomery, AL 36109, USA

Int. J. Hydrogen Energy (GB) (vol.3, no.4 1978—)
Coden: IJHEDX ISSN 0360-3199
International Journal of Hydrogen Energy Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

†**Int. J. Infrared & Millim. Waves (USA)** (vol.1, no.1 March 1980—)
Coden: IJIWDO ISSN 0195-9271
International Journal of Infrared and Millimeter Waves Plenum Publishing Corp., 227 West 17th Street, New York, NY 10011, USA

†**Int. J. Man-Mach. Stud. (GB)** (vol.2, no.2 April 1970—)
Coden: IJMMBC ISSN 0020-7373
International Journal of Man-Machine Studies Academic Press Inc. (London) Ltd., 24-28 Oval Road, London, NW1 7DX, England

Int. J. Mass Spectrom. & Ion Phys. (Netherlands) (1968—)
Coden: IJMIBY ISSN 0020-7381
International Journal of Mass Spectrometry and Ion Physics Title changed to: Int. J. Mass Spectrom. & Ion Process. (Netherlands)

†**Int. J. Mass Spectrom. & Ion Process. (Netherlands)** (vol.54, no.1-2 2 Oct. 1983—)
ISSN 0168-1176
International Journal of Mass Spectrometry and Ion Processes Formerly: Int. J. Mass Spectrom. & Ion Phys. (Netherlands)
Elsevier Science Publishers B.V., P.O.Box 330, 1000 AH Amsterdam, Netherlands

Int. J. Math. Educ. Sci. & Technol. (GB) (vol.1, no.1 Jan.-March 1970—)
Coden: IJMEBM ISSN 0020-739X
International Journal of Mathematical Education in Science and Technology Taylor & Francis Ltd., 10-14 Macklin Street, London, WC2B 5NF, England

Int. J. Mech. Sci. (GB) (1968—)
Coden: IMSCAW ISSN 0020-7403
International Journal of Mechanical Sciences Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Int. J. Microgr. & Video Technol. (GB) (vol.1, no.1 1982—)
Coden: IJMTDZ ISSN 0743-9636
International Journal of Micrographics & Video Technology Formerly: Microdoc (GB)
Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW, England

†**Int. J. Mini & Microcomput. (USA)** (vol.2, no.1 1980—)
Coden: IJMMDE ISSN 0702-0481
International Journal of Mini and Microcomputers Acta Press, P.O.Box 2481, Anaheim, CA 92804, USA

†**Int. J. Multiphase Flow (GB)** (vol.1, no.2 16 April 1974—)
Coden: IJMFBP ISSN 0301-9322
International Journal of Multiphase Flow Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Int. J. Non-Linear Mech. (GB) (1968—)
Coden: IJNMAG ISSN 0020-7462
International Journal of Non-Linear Mechanics Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Int. J. Nucl. Med. & Biol. (GB) (vol.1, no.1 Jan. 1973—)
Coden: IJNMCI ISSN 0047-0740
International Journal of Nuclear Medicine & Biology Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Int. J. Numer. & Anal. Methods Geomech. (GB) (vol.1, no.1 Jan.-March 1977—)
Coden: IJNGDZ ISSN 0363-9061
International Journal for Numerical and Analytical Methods in Geomechanics John Wiley & Sons Ltd., Baffins Lane, Chichester, Sussex PO19 1UD, England

Int. J. Numer. Methods Eng. (GB) (vol.1, no.1 Jan.-March 1969—)
Coden: IJNMBH ISSN 0029-5981
International Journal for Numerical Methods in Engineering John Wiley and Sons Ltd., Baffins Lane, Chichester, Sussex, PO19 1UD, England

Int. J. Occup. Health & Saf. (USA) (vol.43, no.6 Nov.-Dec. 1974—)
Coden: IOHSA5
International Journal of Occupational Health and Safety Formerly: Ind. Med. & Surg. (USA) Title changed to: Occup. Health & Saf. (USA)

Int. J. Oper. & Prod. Manage. (GB) (vol.2, no.2 1981—)
Coden: IOPMDU ISSN 0144-3577
International Journal of Operations & Production Management MCB Publications Ltd., 189-200 Keighley Road, Bradford, West Yorks. BD9 4JQ, England

†**Int. J. Policy & Inf. (Taiwan)** (vol.4, no.1 15 June 1980—)
Coden: IJPIDH ISSN 0251-1266
International Journal on Policy and Information Graduate School of Information Engineering, Tamkang University, Taiwan 251, Taiwan. Knowledge Systems Institute, P.O.Box 41, Glencoe, IL 60022, USA

Int. J. Policy Anal. & Inf. Syst. (USA) (vol.4, no.1 March 1980—)
Coden: IPASDE ISSN 0195-9301
International Journal of Policy Analysis and Information Systems Plenum Publishing Corp., 227 West 17th Street, New York, NY 10011, USA

Int. J. Polym. Mater. (GB) (vol.1, no.2 Jan. 1972—)
Coden: IJPMCS ISSN 0091-4037
International Journal of Polymeric Materials Gordon and Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England

Int. J. Prod. Res. (GB) (vol.14, no.1 Jan. 1976—)
Coden: IJPRB8 ISSN 0020-7543
International Journal of Production Research Taylor & Francis Ltd., 10-14 Macklin Street, London, WC2B 5NF, England

Int. J. Quantum Chem. (USA) (1968—)
Coden: IJQCB2 ISSN 0020-7608
International Journal of Quantum Chemistry John Wiley & Sons Inc., 605 Third Avenue, New York, NY 10016, USA

Int. J. Quantum Chem. Quantum Biol. Symp. (USA) (no.7 1980—)
Coden: IJQSAF ISSN 0360-8832
International Journal of Quantum Chemistry, Quantum Biology Symposium Issued with: *Int. J. Quantum Chem. (USA)*

†**Int. J. Quantum Chem. Quantum Chem. Symp. (USA)** (no.14 1980—)
ISSN 0161-3642
International Journal of Quantum Chemistry, Quantum Chemistry Symposia Issued with: *Int. J. Quantum Chem. (USA)*

Int. J. Radiat. Biol. (GB) (vol.20, no.6 1971—)
Coden: IJRBA3 ISSN 0020-7616
International Journal of Radiation Biology Taylor and Francis Ltd., 10-14 Macklin Street, London, WC2B 5NF, England

Int. J. Radiat. Oncology Biol. Phys. (GB) (vol.1, no.11-12 Nov.-Dec. 1976—)
Coden: IOBPD3 ISSN 0360-3016
International Journal of Radiation Oncology Biology Physics Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Int. J. Radiat. Phys. & Chem. (GB) (vol.2, no.1 April 1970—)
Coden: IJRCA6
International Journal of Radiation Physics and Chemistry Title changed to: Radiat. Phys. & Chem. (GB)

Int. J. Refract. & Hard Met. (GB) (vol.1, no.1 March 1982—)
Coden: IJRMD5 ISSN 0263-4368
International Journal of Refractory & Hard Metals MPR Publishing Services Ltd., 17-19 Talbot Chambers, Shrewsbury SY1 1LG, England

Int. J. Remote Sens. (GB) (vol.3, no.1 Jan.-March 1982—)
Coden: IJSEDK ISSN 0143-1161
International Journal of Remote Sensing Taylor & Francis Ltd., 4 John Street, London WC1N 2ET, England

Int. J. Rock Mech. & Min. Sci. & Geomech. Abstr. (GB) (vol.9, no.3 May 1972—)
Coden: IJRMA2 ISSN 0148-9062
International Journal of Rock Mechanics and Mining Sciences & Geomechanics Abstracts Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Int. J. Soil Dyn. & Earthquake Eng. (GB) (vol.1, no.3 July 1982—)
Coden: IJDEDD ISSN 0261-7277
International Journal of Soil Dynamics and Earthquake Engineering CML Publications, Ashurst Lodge, Ashurst, Southampton SO4 2AA, England

Int. J. Sol. Energy (Switzerland) (vol.1, no.3 1982—)
Coden: IJSEEL ISSN 0142-5919
International Journal of Solar Energy Harwood Academic Publishers GmbH, Poststrasse 22, CH-7000 Chur, Switzerland

†**Int. J. Solids & Struct. (GB)** (1968—)
Coden: IJSOAD ISSN 0020-7683
International Journal of Solids and Structures Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Int. J. Spec. Libr.
See: INSPEL (Germany)

†**Int. J. Syst. Sci. (GB)** (vol.2, no.1 July 1971—)
Coden: IJSYA9 ISSN 0020-7721
International Journal of Systems Science Taylor & Francis Ltd., 4 John Street, London WC1N 2ET, England

†**Int. J. Theor. Phys. (USA)** (vol.2, no.3 Oct. 1969—)
Coden: IJTPBM ISSN 0020-7748
International Journal of Theoretical Physics Plenum Publishing Corp., 233 Spring Street, New York, NY 10013, England

Int. J. Thermophys. (USA) (vol.1, no.1 March 1980—)
Coden: IJTHDY ISSN 0195-928X
International Journal of Thermophysics Plenum Publishing Corp., 227 West 17th Street, New York, NY 10011, USA

Int. J. Veh. Des. (GB) (vol.2, no.1 Feb. 1981—)
Coden: IJVDDW ISSN 0143-3369
International Journal of Vehicle Design Interscience Enterprises Ltd., La Motte Chambers, St. Helier, Jersey, Channel Islands, United Kingdom

Int. Manage. Eur. (GB) (vol.38, no.6 June 1983—)
Coden: IMEUDJ ISSN 0020-7888
International Management Europe McGraw-Hill International Publications Ltd., 34 Dover Street, London W1, England

Int. Met. Rev. (GB) (vol.21 Sept. 1976—)
Coden: IMRVBH ISSN 0308-4590
International Metals Reviews Formerly: Int. Metall. Rev. (GB)
Metals Society, 1 Carlton House Terrace, London, SW1Y 5DB, England

Int. Metall. Rev. (GB) (vol.17, no.158-161 March 1972—)
Coden: IMRVBH
International Metallurgical Reviews Title changed to: Int. Met. Rev. (GB)

Int. Microgr. Congr. J.
See: IMC J. (USA)

Int. Power Generation (GB) (vol.2, no.4 June 1979—)
Coden: IPGED2 ISSN 0141-1918
International Power Generation Fuel and Metallurgical Journals Ltd., 2 Queensway, Redhill RH1 1QS, England

Int. Railw. Gaz. (GB) (1968—)
Coden: RGZTA5
International Railway Gazette Title changed to: Railw. Gaz. Int. (GB)

Int. Stat. Rev. (GB) (vol.50, no.1 April 1982—)
Coden: ISTRDP ISSN 0306-7734
International Statistical Review (Revue Internationale de Statistique) Longman Group Ltd., Longman House, Periodicals and Directories Division, 6th Floor, Westgate House, The High, Harlow, Essex CM20 1NE, England

Int. Water Power & Dam Constr. (GB) (vol.27, no.2 Feb. 1975—)
Coden: IWPCDM ISSN 0306-400X
International Water Power & Dam Construction Formerly: Water Power (GB)
IPC Electrical-Electronic Press Ltd., Quadrant House, The Quadrant, Sutton, Surrey SM2 5AS, England

InTech (USA) (vol.26, no.1 Jan. 1979—)
Coden: INTCDD ISSN 0192-303X
InTech (Instrumentation Technology) Formerly: Instrum. Technol. (USA)
Instrument Society of America, 67 Alexander Drive, P.O.Box 12277, Research Triangle Park, NC 27709, USA

Integrated Circuits Int. (GB) (vol.6, no.5 July 1982—)
Coden: ICIIDZ ISSN 0263-6522
Integrated Circuits International Formerly: MNI Microcomput. News Int. (GB)
Elsevier International Bulletins, Mayfield House, 256 Banbury Road, Oxford OX2 7DH. England. Elsevier International Bulletins, Associated Scientific Publishers, P.O.Box 211, 1000 AE Amsterdam, Netherlands

†**Integration VLSI J. (Netherlands)** (vol.1, no.1 April 1983—)
Coden: IVJODL ISSN 0167-9260
Integration, The VLSI Journal North-Holland Publishing Co., P.O.Box 211, 1000 AE Amsterdam, Netherlands

Inter Connexion (France) (no.11 Sept. 1970—)
Coden: INCXBN ISSN 0374-3381
Inter Connexion Groupement Syndicat des Industries de Materials d'Equipement Electrique, 11 Rue Hamelin, 75783 Paris 6, France

Inter-Univ. Comm. Comput. Bull.
See: IUCC Bull. (GB)

Interavia (Engl. Ed.) (Switzerland) (vol.31, no.2 Feb. 1976—)
Coden: INTRAL ISSN 0020-5168
Interavia (English Edition) Interavia S.A., 86 Avenue Louis-Casai, P.O. Box 162, 1216 Cointrin, Geneva, Switzerland

Interdisciplinary Sci. Rev. (GB) (vol.1, no.1 March 1976—)
Coden: ISCRD8 ISSN 0308-0188
Interdisciplinary Science Reviews Wiley Heyden, Baffins Lane, Chichester, West Sussex PO19 1UD, England

Interface (Netherlands) (vol.1, no.1 April 1972—)
Coden: IFCEBC ISSN 0303-3902
Interface Swets Publishing Service, 347b Heereweg, 2160 AH Lisse, Netherlands

†**Interface Age (USA)** (vol.3, no.11 Nov. 1978—)
Coden: INFAD5 ISSN 0147-2992
Interface Age McPheters, Wolfe & Jones, 16704 Marquardt Avenue, Cerritos, CA 90701, USA

Interface Comput. Educ. Q. (USA) (vol.1, no.1 Winter 1979—)
Coden: INFCDB ISSN 0163-6626
Interface: The Computer Education Quarterly 116 Royal Oak, Santa Cruz, CA 95066, USA

Interfaces (USA) (vol.3, no.1 Nov. 1972—)
Coden: INFAC4 ISSN 0092-2102
Interfaces Formerly: Bull. Inst. Manage. Sci. (USA)
Institute of Management Sciences, 146 Westminster Street, Providence, RI 02903, USA

Interfaces Comput. (Switzerland) (vol.1, no.1 May 1982—)
Coden: INCOEX ISSN 0252-7308
Interfaces in Computing Elsevier Sequoia S.A., P.O.Box 851, 1001 Lausanne 1, Switzerland

Interlending & Doc. Supply (GB) (vol.11, no.1 Jan. 1983—)
Coden: IDSUDQ ISSN 0264-1615
Interlending & Document Supply Formerly: Interlending Rev. (GB)
British Library Lending Division, Boston Spa, Wetherby, West Yorks. LS23 7BQ, England

Interlending Rev. (GB) (vol.6, no.1 Jan. 1978—)
Coden: IREVDN ISSN 0140-2773
Interlending Review Formerly: BLL Rev. (GB) Title changed to: Interlending & Doc. Supply (GB)

Inzh.-Fiz. Zh. (USSR) (1968—)
Coden: INFZA9 ISSN 0021-0285
Inzhenerno-Fizicheskii Zhurnal Izdatel'stvo Akademii Nauk BSSR, Editorial address: Polesnaya 25, Minsk 13, USSR [English translation in: *J. Eng. Phys. (USA)*]

Ion Exch. & Membranes (GB) (vol.1, no.1 Dec. 1972—)
Coden: IEXMBW ISSN 0091-0619
Ion Exchange and Membranes Gordon & Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England

Ion-Selective Electrode Rev. (GB) (vol.2, no.1 1980—)
Coden: ISRVDR ISSN 0191-5371
Ion-Selective Electrode Reviews Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Iowa Acad. Sci. Proc.
See: Proc. Iowa Acad. Sci. (USA)

IPLE Light. J. (GB) (vol.48, no.1 March 1983—)
ISSN 0033-3603
IPLE Lighting Journal Formerly: Public Light. (GB)
Institution of Public Lighting Engineers, Lennox House, 9 Lawford Road, Rugby, Warwicks. CV21 2DZ, England

Ir. Comput. (Ireland) (vol.5, no.5 July-Aug. 1981—)
Coden: IRCODQ ISSN 0332-0197
Irish Computer Computer Publications of Ireland Ltd., 'Birchdale', Cherrywood Road, Loghlinstown, Co. Dublin, Ireland

Iran. J. Sci. & Technol. (GB) (vol.6, no.1 1977—)
Coden: IJSTBT ISSN 0360-1307
Iranian Journal of Science and Technology Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW, England

Iraqi J. Sci. (vol.21, no.3 1980—)
Coden: IRJSD5 ISSN 0067-2904
Iraqi Journal of Science College of Science, Adamiya, Baghdad, Iraq

Irish Astron. J. (vol.9, no.1-2 March-June 1969—)
Coden: IRAJAW ISSN 0021-1052
Irish Astronomical Journal Armagh Observatory, Armagh BT61 9DG, Northern Ireland

Iron & Steel Eng. (USA) (vol.45, no.12 Dec. 1968—)
Coden: IRSEA5 ISSN 0021-1559
Iron and Steel Engineer Association of Iron & Steel Engineers, Suite 2350, Three Gateway Centre, Pittsburgh, PA 15222, USA

Iron & Steel Int. (GB) (vol.50, no.1 Feb. 1977—)
Coden: ISINBO ISSN 0308-9142
Iron and Steel International Butterworth Scientific Ltd., Journals Division, P.O.Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England

Iron Age (USA) (vol.226, no.18 24 June 1983—)
Coden: IRAGAN ISSN 0164-5137
Iron Age Chilton Co., Chilton Way, Radnor, PA 19089, USA

ISA Trans. (USA) (1968—)
Coden: ISATAZ ISSN 0019-0578
ISA Transactions Instrument Society of America, P.O. Box 12277, 67 Alexander Drive, Research Triangle Park, NC 27709, USA

Ishikawajima Harima Giho
See: Ishikawajima-Harima Eng. Rev. (Japan)

Ishikawajima-Harima Eng. Rev. (Japan) (vol.10, no.4 July 1970—)
Coden: ISHGAV ISSN 0578-7904
Ishikawajima-Harima Engineering Review 2-16 Toyosu 3-chome, Kotuko, Tokyo 135, Japan

† indicates a journal abstracted completely

ISI Bull. (India) (vol.21, no.3 March 1969—)
Coden: ISTBA8 ISSN 0019-0632
ISI Bulletin Indian Standards Institution, Manak Bhavan, 9 Bahadur Shah Zafar Marg, New Delhi 110002, India

Islamabad J. Sci. (Pakistan) (vol.2, no.1 June 1975—)
Coden: IJSCDE ISSN 0304-5218
Islamabad Journal of Sciences Formerly: J. Math. & Sci. (Pakistan) University of Islamabad, Islamabad, Pakistan

Isr. J. Chem. (Israel) (vol.10, no.1 1972—)
Coden: ISJCAT ISSN 0021-2148
Israel Journal of Chemistry Weizmann Science Press, P.O. Box 801, Jerusalem 91000, Israel

Isr. J. Math. (Israel) (vol.38, no.1-2 1981—)
Coden: ISJMAP ISSN 0021-2172
Israel Journal of Mathematics Weizmann Science Press of Israel, P.O.Box 801, Jerusalem 91007, Israel

Isr. J. Technol. (Israel) (1968—)
Coden: ISJTAC ISSN 0021-2202
Israel Journal of Technology Weizmann Science Press, P.O. Box 801, Jerusalem 91000, Israel

Isr. Phys. Soc. Ann.
See: Ann. Isr. Phys. Soc. (Israel)

Isr. Phys. Soc. Bull.
See: Bull. Isr. Phys. Soc. (Israel)

Isr. Soc. Spec. Libr. & Inf. Cent. Bull.
See: Bull. Isr. Soc. Spec. Libr. & Inf. Cent. (Israel)

Ist. Lomb. Rend. A
See: Rend. Ist. Lomb. A (Italy)

Istanbul Tech. Univ. Bull.
See: Bull. Tech. Univ. Istanbul (Turkey)

Istanbul Univ. Fac. Sci. Rev. Ser. C
See: Rev. Fac. Sci. Univ. Istanbul Ser. C (Turkey)

Itogi Nauk. & Tekh. Ser. Issled. Kosm. Prostranstva (USSR) (no.3 1972—)
Coden: IIKPA3 ISSN 0202-0734
Itogi Nauki i Tekhniki Seriya Issledovanie Kosmicheskogo Prostranstva Akademiya Nauk SSSR, Institut Nauchnoi i Tekhnicheskoi Informatsii, Moskva, A-219, Baltiiskaya Ul. 14, USSR

IUCC Bull. (GB) (vol.1, no.1 Spring 1979—)
Coden: IUBUDQ ISSN 0142-2464
IUCC Bulletin Formerly: IUCC Newsl. (GB)
Inter-University Committee on Computing, c/o Computer Laboratory, University of Cambridge, Corn Exchange Street, Cambridge CB2 3QG, England

IUCC Newsl. (GB) (vol.4, no.1 Dec. 1975—)
Coden: IUCNDA
IUCC Newsletter Title changed to: IUCC Bull. (GB)

Iwate Daigaku Kogakubu Kenkyu Hokoku
See: Rep. Technol. Iwate Univ. (Japan)

Iwate Univ. Rep. Technol.
See: Rep. Technol. Iwate Univ. (Japan)

Iwate Univ. Technol. Rep.
See: Technol. Rep. Iwate Univ. (Japan)

Iyo Denshi To Seitai Kogaku (Nihon M-E Gakkai Zasshi)
See: Jpn. J. Med. Electron. & Biol. Eng. (Japan)

Izmer. Tekh. (USSR) (1968—)
Coden: IZTEAW ISSN 0021-3349
Izmeritel'naya Tekhnika Academy of Sciences USSR Leninskii Prosp., Moskva, USSR [English translation in: *Meas. Tech. (USA)*]

Izotoptechnika (Hungary) (vol.22, no.4 1979—)
Coden: IZTTA9 ISSN 0004-7201
Izotoptechnika Magyar Tudomanyos Akademia Izotop Intezete, Pf. 77, Budapest 1525, Hungary

Izv. Acad. Sci. USSR Atmos. & Oceanic Phys. (USA) (vol.8, no.6 June 1972—)
Coden: IAOPB2 ISSN 0375-8303
Izvestiya, Academy of Sciences USSR. Atmospheric and Oceanic Physics Formerly: Bull. Acad. Sci. USSR. Atmos. & Oceanic Phys. Ser. (USA) [Translation of: *Izv. Akad. Nauk SSSR Fiz. Atmos. & Okeana*] American Geophysical Union, 1909 K Street, N.W., Washington, DC 20006, USA

Izv. Acad. Sci. USSR. Phys. Solid Earth (USA) (1968—)
Coden: IPSEBQ ISSN 0001-4354
Izvestiya Academy of Sciences USSR, Physics of the Solid Earth [Translation of: *Izv. Akad. Nauk SSSR Fiz. Zemli*] American Geophysical Union, 2000 Florida Avenue, N.W., Washington, DC 20009, USA

Izv. Akad. Nauk Arm. SSR Fiz. (USSR) (vol.5, no.2 1970—)
Coden: IAAFA3 ISSN 0002-3035
Izvestiya Akademia Nauk Armyanskoi SSR Fizika Editorial address: Erevan-GCP, Barekamutyan 24 B, USSR

Izv. Akad. Nauk Arm. SSR, Ser. Tekh. Nauk (USSR) (vol.21, no.4 1968—)
Coden: IATNAK ISSN 0002-306X
Izvestiya Akademiya Nauk Armyanskoi SSR, Seriya Tekhnicheskaya Nauk Izdatel'stva AN Armyanskoi SSR, Erevan, Barekamutyan 24, USSR

Izv. Akad. Nauk Az. SSR Ser. Fiz.-Tekh. & Mat. Nauk (USSR) (no.1 1973—)
Coden: IAFMAF ISSN 0002-3108
Izvestiya Akademii Nauk Azerbaidzhanskoi SSR Seriya Fiziko Tekhnicheskikh i Matematicheskikh Nauk Izdatel'stvo ELM, Baku, USSR

Izv. Akad. Nauk SSSR Energ. & Transp. (no.1 1972—)
Coden: IAETAV ISSN 0002-3310
Izvestiya Akademii Nauk SSSR Energetika i Transport Izdatel'stvo 'Nauka', 103717 Moskva, Podsosenskii 21, USSR [English translation in: *Power Eng. (J. Acad. Sci. USSR) (USA)*]

Izv. Akad. Nauk SSSR Fiz. Atmos. & Okeana (1968—)
Coden: IFAOAV ISSN 0002-3515
Izvestiya Akademii Nauk SSSR, Fizika Atmosfery i Okeana Akademiya Nauk SSSR, Leninskii Prosp. 14, Moskva, USSR [English translation in: *Izv. Acad. Sci. USSR Atmos. & Oceanic Phys. (USA)*]

Izv. Akad. Nauk SSSR Fiz. Zemli (1968—)
Coden: IAFZAK
Izvestiya Akademii Nauk SSSR. Fizika Zemli Akademiya Nauk SSSR, Leninskii Prosp. 14, Moskva, USSR [English translation in: *Izv. Acad. Sci. USSR. Phys. Solid Earth (USA)*]

Izv. Akad. Nauk SSSR Mekh. Tverd. Tela (no.1 1972—)
Coden: IZMTB9 ISSN 0572-3299
Izvestiya Akademii Nauk SSSR Mekhanika Tverdogo Tela Izdatel'stvo 'Nauka', 103717 Moskva, Podsosenskii 21, USSR [English translation in: *Mech. Solids (USA)*]

Izv. Akad. Nauk SSSR Mekh. Zhidk. & Gaza (1968—)
Coden: IMZGAB ISSN 0568-5281
Izvestiya Akademii Nauk SSSR Mekhanika Zhidkosti i Gaza Izdatel'stvo 'Nauka', 103717 Moskva, Podsosenskii 21, USSR [English translation in: *Fluid Dyn. (USA)*]

Izv. Akad. Nauk SSSR Neorg. Mater. (vol.7, no.8 Aug. 1971—)
Coden: IVNMAW ISSN 0002-337X
Izvestiya Akademii Nauk SSSR Neorganicheskie Materialy Izdatel'stvo 'Nauka', 103717 Moskva, Podsosenskii 21, USSR [English translation in: *Inorg. Mater. (USA)*]

Izv. Akad. Nauk SSSR Ser. Fiz. (1968—)
Coden: IANFAY ISSN 0367-6765
Izvestiya Akademii Nauk SSSR, Seriya Fizicheskaya Izdatel'stvo 'Nauka', 103717 Moskva, Podsosenskii 21, USSR [English translation in: *Bull. Acad. Sci. USSR, Phys. Ser. (USA)*]

Izv. Akad. Nauk UzSSR Ser. Tekh. Nauk (no.5 1971—)
Coden: IUZTA4 ISSN 0516-2629
Izvestiya Akademii Nauk UzSSR. Seriya Tekhnicheskikh Nauk Tashkent, USSR

Izv. Akad. Nauk. SSSR Met. (no.3 May-June 1974—)
Coden: IZNMAQ ISSN 0568-5303
Izvestiya Akademii Nauk SSSR, Metally Izdatel'stvo 'Nauka', 103717 Moskva, Podsosenskii 21, USSR [English translation in: *Russ. Metall. (GB)*]

Izv. Fiz. Inst. ANEB (Bulgaria) (1968—)
Coden: IFABAQ
Izvestiya na Fizicheskiya Institut s ANEB Merged into: Bulg. J. Phys. (Bulgaria)

Izv. Gl. Astron. Obs. Pulkove (USSR) (no.184 1968—)
Coden: IGOPA9 ISSN 0367-7966
Izvestiya Glavnoi Astronomicheskoi Observatorii v Pulkove Leningradskoe Otdelenie Izdatel'stva 'Nauka', B-164 Mendelevskaya Lin., d.1, Leningrad, USSR

Izv. Inst. Elektron. (Bulgaria) (vol.4 1969—)
Coden: IIEBBY
Izvestiya na Instituta po Elektronika Merged into: Bulg. J. Phys. (Bulgaria)

Izv. Khim. Bulg. Akad. Nauk. (Bulgaria) (vol.8, no.1 1975—)
Coden: IZKHDX ISSN 0324-1130
Izvestiya po Khimiya Bulgarska Akademiya na Naukite Formerly: Izv. Otd. Khim. Nauki Bulg. Akad. Nauk. (Bulgaria)
Bulgarian Academy of Sciences, 1 7th November Street, Sofia C, Bulgaria

Izv. Krym. Astrofiz. Obs. (USSR) (vol.39 1969—)
Coden: IKAOAW ISSN 0367-8466
Izvestiya Krymskoi Astrofisicheskoi Observatorii Izdatel'stvo 'Nauka', 103717 Moskva, Podsosenskii 21, USSR [English translation in: *Bull. Crimean Astrophys. Obs. (USA)*]

Izv. Otd. Khim. Nauki Bulg. Akad. Nauk. (Bulgaria) (vol.4, no.1 1971—)
Coden: IOKNA5
Izvestiya na Otdelenieto za Khimicheski Nauki. Bulgarska Akademiya na Naukite Formerly: Bulg. Acad. Sci. Commun. Dep. Chem. (Bulgaria) Title changed to: Izv. Khim. Bulg. Akad. Nauk. (Bulgaria)

Izv. Vmei 'Lenin' (Bulgaria) (vol.24, no.1 1969—)
Coden: IVMEA3 ISSN 0374-342X
Izvestiya na Vmei 'Lenin' Formerly: Annu. Inst. Mec. Appl. & Electrotech. (Bulgaria)
D'rshavno Izdatelstvo 'Tekhnika', Sofiya, Bulgaria

Izv. VUZ Aviats. Tekh. (USSR) (vol.16, no.1 1973—)
Coden: IVUAAV ISSN 0579-2975
Izvestiya VUZ Aviatsionnaya Tekhnika G. Kaeanya, K. Marksa 10, Kasaskii Aviatsionnyu Institut, USSR [English translation in: *Sov. Aeronaut. (USA)*]

Izv. VUZ Elektromekh. (USSR) (1968—)
Coden: IVUEA9 ISSN 0136-3603
Izvestiya Vysshikh Uchebnykh Zavedenii, Elektromekhanika 346400 Novocherkassk, ul. Prosveshcheniga 132, Moskva, USSR

Izv. VUZ Energ. (USSR) (1968—)
Coden: IVZEAY ISSN 0579-2983
Izvestiya Vysshikh Uchebnykh Zavedenii, Energetika Belorusski Politekhnicheskii Institut, Minsk, Leninskii Prosp. 65, USSR

†Izv. VUZ Fiz. (USSR) (1968—)
Coden: IVUFAC ISSN 0021-3411
Izvestiya Vysshikh Uchebnykh Zavedenii, Fizika Higher Education Institutes, Tomsk, USSR [English translation in: *Sov. Phys. J. (USA)*]

Izv. VUZ Gornyi Zh. (USSR) (1968—)
Coden: IVUOA5 ISSN 0536-1028
Izvestiya Vysshikh Uchebnykh Zavedenii, Gornyi Zhurnal Ministerstvo Vysshego i Srednego Spetsial'nogo Obrazovaniya, Moskva. Editorial address: Sverdlovsk, Universitetskaya Pl., 9, USSR

Izv. VUZ Mashinostr. (USSR) (1968—)
Coden: IVUSAH ISSN 0536-1044
Izvestiya Vysshikh Uchebnykh Zavedenii, Mashinostroenie Moskva 107005, 2nd Baumanskaya 5, USSR

Izv. VUZ Mat. (USSR) (no.1 Jan. 1973—)
Coden: IVUMBY ISSN 0021-3446
Izvestiya VUZ Matematika Izdatel'stvo Gosudarstvennogo Universiteta, 420008 G. Kazan, Ul. V I Lenina 18, USSR [English translation in: *Sov. Math. (USA)*]

Izv. VUZ Pishch. Tekhnol. (USSR) (no.1 1970—)
Coden: IVUPA8 ISSN 0579-3009
Izvestiya Vysshikh Uchenbykh Zavedenii Pishchevaya Tekhnologiya Krasnodar Polytechnical Institute, 350 006 G. Krasnodar, Ul. Krasnaya 135, USSR

Izv. VUZ Priborostr. (USSR) (vol.16, no.1 1973—)
Coden: IVUBAY ISSN 0021-3454
Izvestiya VUZ Priborostroenie Editorial address: 190 000 Leningrad, Per. Grivtsova 14, USSR

†Izv. VUZ Radioelektron. (USSR) (1968—)
Coden: IVUZB5 ISSN 0021-3470
Izvestiya Vysshikh Uchebnykh Zavedenii, Radioelektronika Kievskii Ordena Lenina Politekhnicheskii Institut, 252056 Kiev 56, Brest-Litovskii Prospekt 39, USSR [English translation in: *Radioelectron. & Commun. Syst. (USA)*]

Izv. VUZ Radiofiz. (USSR) (1968—)
Coden: IVYRAY ISSN 0021-3462
Izvestiya Vysshikh Uchebnykh Zavedenii, Radiofizika Gor'kovskiy Universitet G. Gor'kiy, ul. Lyadova 25, USSR [English translation in: *Radiophys. & Quantum Electron. (USA)*]

Izv. VUZ Tekhnol. Legkoi Prom.-st. (USSR) (1968—)
Coden: IVTTAF ISSN 0021-3489
Izvestiya Vysshikh Uchebnykh Zavedenii, Tekhnologiya Legkoi Promyshlennosti Ministerstvo Vysshego i Srednogo Spetsial'nogo Obrazovaniya, Moskva. Editorial address: Kiev, Nemirivicha-Danchenko 2, USSR

J. & Proc. R. Soc. New South Wales (Australia) (1968—)
Coden: JPRSA5 ISSN 0035-9173
Journal and Proceedings of the Royal Society of New South Wales Science Centre, 35 Clarence Street, Sydney, NSW 2000, Australia

J. A (Belgium) (vol.15, no.1 Jan. 1974—)
Coden: JRNAAD ISSN 0771-1107
Journal A Formerly: Rev. A (Belgium)
Koninklijke Vlaamse Ingenieurs-Vereniging, Jan van Rijswijcklaan 58, B-2000 Antwerp, Belgium

†**J. Acoust. Soc. Am. (USA)** (1968—)
Coden: JASMAN ISSN 0001-4966
Journal of the Acoustical Society of America Published for the Acoustical Society of America by the American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

J. Acoust. Soc. India (vol.7, no.1 Jan. 1979—)
Coden: JSOIDI ISSN 0253-7257
Journal of the Acoustical Society of India Prof. B. Ramachandra Rao, Acoustical Society of India, University Grants Commission, Bahadur-Shah Zafar Marg, New Delhi-2, India

J. Acoust. Soc. Jpn. (E) (Japan) (vol.1, no.1 Jan. 1980—)
Coden: JASED2 ISSN 0388-2861
Journal of the Acoustical Society of Japan (E) Ikeda-Building, 2-7-7, Yoyogi, Shibuya-ku, Tokyo 151, Japan

J. Acoust. Soc. Jpn. (Japan) (vol.26, no.1 Jan. 1970—)
Coden: NIOGAH ISSN 0369-4232
Journal of the Acoustical Society of Japan Ikeda Building 2-7-7, Yoyogi, Shibuya-ku, Tokyo, Japan

J. Adhes. (GB) (vol.4, no.3 July 1972—)
Coden: JADNAJ ISSN 0021-8464
Journal of Adhesion Gordon & Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England

J. Aerosol Sci. (GB) (vol.1, no.2 May 1970—)
Coden: JALSB7 ISSN 0021-8502
Journal of Aerosol Science Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

J. Air Pollut. Control Assoc. (USA) (vol.31, no.11 Nov. 1981—)
Coden: JPCAAC ISSN 0002-2470
Journal of the Air Pollution Control Association 4400 Fifth Avenue, Pittsburgh, PA 15213, USA

J. Aircr. (USA) (vol.5, no.5 Sept.-Oct. 1968—)
Coden: JAIRAM ISSN 0021-8669
Journal of Aircraft American Institute of Aeronautics and Astronautics, 1290 Avenue of the Americas, New York, NY 10104, USA

J. Algorithms (USA) (vol.2, no.1 March 1981—)
Coden: JOALDV ISSN 0196-6774
Journal of Algorithms Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

J. Alliance Inf. Referral Syst.
See: Inf. & Referral: J. Alliance Inf. Referral Syst. (USA)

J. Am. Assoc. Variable Star Obs. (USA) (vol.9, no.2 1980—)
Coden: JAAODA
Journal of the American Association of Variable Star Observers 187 Concord Avenue, Cambridge, MA 02138, USA

†**J. Am. Ceram. Soc. (USA)** (1968—)
Coden: JACTAW ISSN 0002-7820
Journal of the American Ceramic Society 65 Ceramic Drive, Columbus, OH 43214, USA

J. Am. Chem. Soc. (USA) (1968—)
Coden: JACSAT ISSN 0002-7863
Journal of the American Chemical Society 1155 Sixteenth Street N.W., Washington, DC 20036, USA

J. Am. Insur. (USA) (vol.58, no.4 Winter 1982-1983—)
Coden: JAINDD ISSN 0021-874X
Journal of American Insurance Alliance of American Insurers, 20 North Wacker Drive, Chicago, IL 60606, USA

†**J. Am. Soc. Inf. Sci. (USA)** (vol.21, no.1 Jan.-Feb. 1970—)
Coden: AISJB6 ISSN 0002-8231
Journal of the American Society for Information Sciences Formerly: Am. Doc. (USA)
American Society for Information Science, 1155 16th Street, N.W., Suite 210, Washington, DC 20036, USA. John Wiley & Sons Inc., 605 Third Avenue, New York, NY 10158

J. Am. Stat. Assoc. (USA) (vol.77, no.377 March 1982—)
Coden: JSTNAL ISSN 0162-1459
Journal of the American Statistical Association 806 15th Street, N.W., Washington, DC 20005, USA

J. Appl. Chem. & Biotechnol. (GB) (vol.21, no.5 May 1971—)
Coden: JACBBD
Journal of Applied Chemistry and Biotechnology Title changed to: J. Chem. Technol. & Biotechnol. (GB)

†**J. Appl. Crystallogr. (Denmark)** (1968—)
Coden: JACGAR ISSN 0021-8898
Journal of Applied Crystallography Munksgaard International Booksellers and Publishers Ltd., 35 Norre Sogade, DK 1370 Kobenhavn K, Denmark

J. Appl. Electrochem. (GB) (vol.1, no.3 Aug. 1971—)
Coden: JAELBJ ISSN 0021-891X
Journal of Applied Electrochemistry Chapman and Hall, 11 New Fetter Lane, London, EC4P 4EE, England

J. Appl. Mech.
See: Trans. ASME. J. Appl. Mech. (USA)

J. Appl. Mech. & Tech. Phys. (USA) (1968—)
Coden: JMPYAQ ISSN 0021-8944
Journal of Applied Mechanics and Technical Physics [Translation of: *Zh. Prikl. Mekh. & Tekh. Fiz. (USSR)*] Consultants Bureau, 233 Spring Street, New York, NY 10013, USA

J. Appl. Meteorol. (USA) (vol.11, no.1 Feb. 1972—)
Coden: JAMOAX ISSN 0021-8952
Journal of Applied Meteorology Title changed to: J. Clim. & Appl. Meteorol. (USA)

J. Appl. Photogr. Eng. (USA) (vol.2, no.3 Summer 1976—)
Coden: JAPEDL ISSN 0098-7298
Journal of Applied Photographic Engineering Society of Photographic Scientists and Engineers, Suite 204, 1330 Massachusetts Avenue, N.W., Washington, DC 20005, USA

†**J. Appl. Phys. (USA)** (1968—)
Coden: JAPIAU ISSN 0021-8979
Journal of Applied Physics American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

J. Appl. Physiol. (USA) (1968—)
Coden: JAPYAA ISSN 0161-7567
Journal of Applied Physiology American Physiological Society, 9650 Rockville Pike, Bethesda, MD 20014, USA

J. Appl. Pneum. (GB) (vol.10, no.77 Aug. 1982—)
Coden: JAPPBI ISSN 0003-6978
Journal of Applied Pneumatics Martonair Ltd., 128 St. Margarets Road, Twickenham TW1 1RJ, England

J. Appl. Probab. (GB) (vol.6, no.2 Aug. 1969—)
Coden: JPRBAM ISSN 0021-9002
Journal of Applied Probability University of Sheffield, Department of Probability and Statistics, Sheffield, S3 7RH, England

J. Appl. Spectrosc. (USA) (vol.12, no.1 Jan. 1970—)
Coden: JASYAP ISSN 0021-9037
Journal of Applied Spectroscopy [Translation of: *Zh. Prikl. Spektrosk. (USSR)*] Consultants Bureau, 233 Spring Street, New York, NY 10013, USA

J. Appl. Syst. Anal. (GB) (vol.5, no.1 Nov. 1976—)
Coden: JASADO ISSN 0308-9541
Journal of Applied Systems Analysis Formerly: J. Syst. Eng. (GB)
University of Lancaster, Department of Systems, Bailrigg, Lancaster LA1 4YR, England

†**J. Approximation Theory (USA)** (vol.3, no.3 Sept. 1970—)
Coden: JAXTAZ ISSN 0021-9045
Journal of Approximation Theory Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

J. Asia Electron. Union
See: AEU (Japan)

J. Assoc. Adv. Med. Instrum. (USA) (vol.6, no.1 Jan.-Feb. 1972—)
Coden: AMIJAH
Journal of the Association for the Advancement of Medical Science Title changed to: Med. Instrum. (USA)

†**J. Assoc. Comput. Mach. (USA)** (vol.15, no.1 Jan. 1968—)
Coden: JACOAH ISSN 0004-5411
Journal of the Association for Computing Machinery Association for Computing Machinery, 11 West 42nd Street, New York, NY 10036, USA

J. Assoc. Lunar & Planet. Obs. Strolling Astron. (USA) (vol.29, no.7-8 Aug. 1982—)
Coden: STASAD ISSN 0039-2502
Journal of the Association of Lunar and Planetary Observers, Strolling Astronomer Box 3AZ, University Park, NM 88003, USA

J. Astronaut. Sci. (USA) (vol.16, no.2 March-April 1969—)
Coden: JALSA6 ISSN 0021-9142
Journal of the Astronautical Sciences American Astronautical Society, 6060 Duke Street, Alexandria, VA 22304, USA

†**J. Astrophys. & Astron. (India)** (vol.1, no.1 Sept. 1980—)
Coden: JASRD7 ISSN 0250-6335
Journal of Astrophysics and Astronomy Indian Academy of Sciences, P.O.Box 8005, Bangalore 560080, India

J. At. Energy Soc. Jpn. (Japan) (1968—)
Coden: NGEGAL ISSN 0004-7120
Journal of the Atomic Energy Society of Japan 1-5-4 Ohte-machi, Chiyoda-ku, Tokyo 100, Japan

†**J. Atmos. & Terr. Phys. (GB)** (1968—)
Coden: JATPA3 ISSN 0021-9169
Journal of Atmospheric and Terrestrial Physics Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

J. Atmos. Sci. (USA) (1968—)
Coden: JAHSAK ISSN 0022-4928
Journal of the Atmospheric Sciences American Meteorological Society, 45 Beacon Street, Boston, MA 02108, USA

J. Audio Eng. Soc. (USA) (1968—)
Coden: ADIOA3 ISSN 0004-7554
Journal of the Audio Engineering Society Lincoln Building, Room 929 60 East 42nd Street, New York, NY 10017, USA

J. Aust. Ceram. Soc. (Australia) (vol.7, no.2 Nov. 1971—)
Coden: JAUCA3 ISSN 0004-881X
Journal of the Australian Ceramic Society c/o Department of Ceramic Engineering, University of New South Wales, P.O. Box 1, Kensington, N.S.W. 2033, Australia

J. Aust. Inst. Met. (Australia) (vol.14, no.4 Nov. 1969—)
Coden: JAMTAE
Journal of the Australian Institute of Metals Title changed to: J. Australas. Inst. Met. (Australia)

J. Aust. Math. Soc. Ser. B (Australia) (vol.19, pt.1 June 1975—)
Coden: JAMMDU ISSN 0334-2700
Journal of the Australian Mathematical Society Series B (Applied Mathematics) Department of Mathematics, University of Queensland, St. Lucia, QLD 4067, Australia

J. Australas. Inst. Met. (Australia) (vol.22, no.2 June 1977—)
Coden: JAIMDA
Journal of the Australasian Institute of Metals Formerly: J. Aust. Inst. Met. (Australia) Title changed to: Met. Forum (Australia)

J. Autom. Chem. (GB) (vol.1, no.5 Oct. 1979—)
Coden: JAUCD6 ISSN 0142-0453
Journal of Automatic Chemistry United Trade Press Ltd., UTP House, 33-35 Bowling Green Lane, London EC1R 0DA, England

J. Bangladesh Acad. Sci. (vol.6, no.1-2 1982—)
Coden: JBACDF ISSN 0378-8121
Journal of Bangladesh Academy of Sciences Dacca, Bangladesh

J. Belge Radiol. (vol.56, no.1 Jan.-Feb. 1973—)
Coden: JBRAAN ISSN 0021-7646
Journal Belge de Radiologie Societe Royale Belge de Radiologie, Avenue des Eglantines 10, 1150 Brussels, Belgium

J. Biochem. & Biophys. Methods (Netherlands) (vol.1, no.2 May 1979—)
Coden: JBBMDG ISSN 0165-022X
Journal of Biochemical and Biophysical Methods Elsevier/North-Holland Biomedical Press, P.O. Box 211, 1000 AE Amsterdam, Netherlands

† indicates a journal abstracted completely

J. Bioelectr. (USA) (vol.1, no.1 1982—)
Coden: JOUBDX ISSN 0730-823X
Journal of Bioelectricity Marcel Dekker Inc., 270 Madison Avenue, New York, NY 10016, USA

J. Bioenerg. & Biomembranes (USA) (vol.8, no.5 Oct. 1976—)
Coden: JBBID4 ISSN 0145-479X
Journal of Bioenergetics and Biomembranes Formerly: J. Bioenerg. (USA)
Plenum Publishing Corp., 233 Spring Street, New York, NY 10013, USA

J. Bioenerg. (USA) (vol.4, no.1-2 Jan. 1973—)
Coden: JBEGAA
Journal of Bioenergetics Title changed to: J. Bioenerg. & Biomembranes (USA)

J. Bioeng. (GB) (vol.2, no.1-2 April 1978—)
Coden: JBNGDO ISSN 0145-3068
Journal of Bioengineering Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

J. Biol. Phys. (USA) (vol.10, no.2 1982—)
Coden: JBPHBZ ISSN 0092-0606
Journal of Biological Physics Forum Press Inc., P.O.Box 876, Stillwater, OK 74076, USA

J. Biomech. (GB) (vol.3, no.3 May 1970—)
Coden: JBMCB5 ISSN 0021-9290
Journal of Biomechanics Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

J. Biomech. Eng.
See: Trans. ASME. J. Biomech. Eng. (USA)

J. Biomed. Eng. (GB) (vol.2, no.1 Jan. 1980—)
Coden: JBIEDR ISSN 0141-5425
Journal of Biomedical Engineering Butterworth Scientific Ltd., Journals Division, P.O.Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England

J. Biophys. & Med. Nucl. (France) (vol.4, no.1 1980—)
Coden: JBNDDF ISSN 0399-0435
Journal de Biophysique & Medecine Nulceaire Societe Francaise de Biophysique et Medecine Nucleaire, c/o A.F.A.S., 250 rue Saint-Jacques, 75005 Paris, France

J. Birla Inst. Technol. & Sci. (India) (vol.1, no.1 July 1967—)
Coden: BITJAL ISSN 0366-0702
Journal of the Birla Institute of Technology and Science Birla Institute of Technology and Sciences, Pilani, Rajasthan, India

J. Br. Astron. Assoc. (GB) (1968—)
Coden: JBAAA6 ISSN 0007-0297
Journal of the British Astronomical Association Burlington House, Piccadilly, London, W1V ONL, England

J. Br. Interplanet. Soc. (GB) (vol.21, no.4 Dec. 1968—)
Coden: JBISAW ISSN 0007-084X
Journal of the British Interplanetary Society British Interplanetary Society, 27-29 South Lambeth Road, London SW8 1SZ, England

J. Br. Nucl. Energy Soc. (GB) (1968—)
Coden: JBNSAN
Journal of the British Nuclear Energy Society Title changed to: Nucl. Energy (GB)

J. Ceram. Soc. Jpn.
See: Yogyo-Kyokai-Shi (Japan)

J. Chart. Inst. Build. Serv. (GB) (vol.1, no.1 Sept. 1978—)
Coden: JIBSDF ISSN 0142-3630
Journal of the Chartered Institution of Building Services Building Services Publications Ltd., Builder House, 1-3 Pemberton Row, Red Lion Court, Fleet Street, London EC4P 4HL, England. Formed by merger of Light & Light. & Environ. Des. (GB) and Build. Serv. Eng. (GB)

J. Chem. Doc. (USA) (vol.9, no.4 Nov. 1969—)
Coden: JCHDAN
Journal of Chemical Documentation Title changed to: J. Chem. Inf. & Comput. Sci. (USA)

J. Chem. Educ. (USA) (1968—)
Coden: JCEDA8 ISSN 0021-9584
Journal of Chemical Education American Chemical Society, 119 West 24th Street, New York, NY 10011, USA

J. Chem. Inf. & Comput. Sci. (USA) (vol.15, no.1 Feb. 1975—)
Coden: JCISD8 ISSN 0095-2338
Journal of Chemical Information and Computer Sciences Formerly: J. Chem. Doc. (USA)
American Chemical Society, 1115 Sixteenth Street, N.W., Washington, DC 20036, USA

†**J. Chem. Phys. (USA)** (1968—)
Coden: JCPSA6 ISSN 0021-9606
Journal of Chemical Physics American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

J. Chem. Soc. Faraday Trans. I (GB) (no.1 1973—)
Coden: JCFTAR ISSN 0300-9599
Journal of the Chemical Society Faraday Transactions I Burlington House, London, W1V OBN, England

J. Chem. Soc. Faraday Trans. II (GB) (no.1 1973—)
Coden: JCFTBS ISSN 0300-9238
Journal of the Chemical Society Faraday Transactions II Burlington House, London, W1V OBN, England

J. Chem. Technol. & Biotechnol. (GB) (vol.29, no.1 Jan. 1979—)
Coden: JCTBDC ISSN 0142-0356
Journal of Chemical Technology and Biotechnology Formerly: J. Appl. Chem. & Biotechnol. (GB)
Society of Chemical Industry, 14 Belgrave Square, London, SW1X 8PS, England. Journal split into two parts: J. Chem. Technol. & Biotechnol. A (GB) and J. Chem. Technol. & Biotechnol. B (GB)

J. Chem. Technol. & Biotechnol. A (GB) (vol.33A, no.5 July 1983—)
ISSN 0264-3413
Journal of Chemical Technology and Biotechnology A (Chemical Technology) Society of Chemical Industry, 14 Belgrave Square, London SW1X 8PS, England. Supersedes in part: J. Chem. Technol. & Biotechnol. (GB)

J. Chem. Technol. & Biotechnol. B (GB) (vol.33B, no.6 Aug. 1983—)
ISSN 0264-3421
Journal of Chemical Technology and Biotechnology B (Biotechnology) Society of Chemical Industry, 14 Belgrave Square, London SW1X 8PS, England. Supersedes in part: J. Chem. Technol. & Biotechnol. (GB)

J. Chem. Thermodyn. (GB) (vol.3, no.6 Nov. 1971—)
Coden: JCTDAF ISSN 0021-9614
Journal of Chemical Thermodynamics Academic Press Inc. (London) Ltd., 24-28 Oval Road, London NW1 7DX, England

J. Chim. Phys. & Phys.-Chim. Biol. (France) (1968—)
Coden: JCPBAN ISSN 0021-7689
Journal de Chimie Physique et de Physico-Chimie Biologique Societe de Chimie Physique, 4 place Jussieu-Tou 54-55, 75230 Paris Cedex 05, France

J. Chin. Inst. Eng. (Taiwan) (vol.1, no.1 Jan. 1978—)
Coden: CKCKDZ ISSN 0253-3839
Journal of the Chinese Institute of Engineers 4th Floor, 2nd Section, Jen-Ai Road, Taipei, Taiwan

J. Clim. & Appl. Meteorol. (USA) (vol.22, no.1 Jan. 1983—)
Coden: JCAMEJ ISSN 0733-3021
Journal of Climate and Applied Meteorology Formerly: J. Appl. Meteorol. (USA)
American Meteorological Society, 45 Beacon Street, Boston, MA 02108, USA

J. Climatol. (GB) (vol.2, no.1 Jan.-March 1982—)
Coden: JOUCD2 ISSN 0196-1748
Journal of Climatology John Wiley & Sons Ltd., Baffins Lane, Chichester, West Sussex PO19 1UD, England

J. Clin. Comput. (USA) (vol.6, no.3 1977—)
Coden: JCLCB7 ISSN 0090-1091
Journal of Clinical Computing 166 Morris Avenue, Buffalo, NY 14214, USA

J. Clin. Eng. (USA) (vol.4, no.1 Jan.-March 1979—)
Coden: JCEND7 ISSN 0363-8855
Journal of Clinical Engineering Quest Publishing Co., 1351 Titan Way, Brea, CA 92621, USA

J. Clin. Lab. Autom. (USA) (vol.1, no.1 July-Aug. 1981—)
Coden: JOAUDO ISSN 0276-8860
Journal of Clinical Laboratory Automation Appleton-Century Crofts, 292 Madison Avenue, New York, NY 10017, USA

J. Clin. Ultrasound (USA) (vol.9, no.7 Sept. 1981—)
Coden: JCULDD ISSN 0091-2751
Journal of Clinical Ultrasound John Wiley & Sons Inc., 605 Third Avenue, New York, NY 10158, USA

J. Colloid & Interface Sci. (USA) (1968—)
Coden: JCISA5 ISSN 0021-9797
Journal of Colloid and Interface Science Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

J. Comb. Theory Ser. A (USA) (vol.6, no.1 Jan. 1969—)
Coden: JCTHAR ISSN 0097-3165
Journal of Combinatorial Theory, Series A Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

J. Comb. Theory Ser. B (USA) (vol.10, no.2 April 1971—)
Coden: JCTHAR ISSN 0095-8956
Journal of Combinatorial Theory, Series B Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

J. Compos. Mater. (USA) (vol.4 July 1970—)
Coden: JCOMBI ISSN 0021-9983
Journal of Composite Materials Technomic Publishing Co. Inc., 265 Post Road West, Westport, CT 06880, USA

J. Comput. & Appl. Math. (Netherlands) (vol.9, no.1 March 1983—)
Coden: JCAMDI ISSN 0377-0427
Journal of Computational and Applied Mathematics North-Holland Publishing Co., P.O.Box 211, 1000 AE Amsterdam, Netherlands

†**J. Comput. & Syst. Sci. (USA)** (vol.2, no.3 Oct. 1968—)
Coden: JCSSBM ISSN 0022-0000
Journal of Computer and System Sciences Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

J. Comput. Assisted Tomogr. (USA) (vol.4, no.6 Dec. 1980—)
Coden: JCATD5 ISSN 0363-8715
Journal of Computer Assisted Tomography Raven Press, 1140 Avenue of the Americas, New York, NY 10036, USA

J. Comput. Chem. (USA) (vol.1, no.1 Spring 1980—)
Coden: JCCHDD ISSN 0192-8651
Journal of Computational Chemistry John Wiley & Sons Inc., 605 Third Avenue, New York, NY 10158, USA

J. Comput. Math. & Sci. Teach. (USA) (vol.2, no.1 Fall 1982—)
Coden: JCMTDV ISSN 0731-9258
Journal of Computers in Mathematics and Science Teaching Association for Computers in Mathematics and Science Teaching, P.O.Box 4455, Austin, TX 78765, USA

J. Comput. Phys. (USA) (1968—)
Coden: JCTPAH ISSN 0021-9991
Journal of Computational Physics Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

J. Comput. Soc. India (vol.4, no.2 June 1974—)
Coden: JCSIDS ISSN 0379-5152
Journal of the Computer Society of India Title changed to: Comput. Sci. & Inf. (India)

†**J. Comput.-Based Instr. (USA)** (vol.3, no.3 Feb. 1977—)
Coden: JCOID8 ISSN 0098-597X
Journal of Computer-Based Instruction Association for the Development of Computer-Based Instructional Systems, Computer Center, Western Washington University, Bellingham, WA 98225, USA

J. Coord. Chem. (GB) (vol.1, no.4 May 1972—)
Coden: JCCMBQ ISSN 0095-8972
Journal of Coordination Chemistry Gordon & Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England

J. Cryst. & Mol. Struct. (USA) (vol.3, no.1 1973—)
Coden: JCMLB5 ISSN 0308-4086
Journal of Crystal and Molecular Structure Title changed to: J. Crystallogr. & Spectrosc. Res. (USA)

†**J. Cryst. Growth (Netherlands)** (1968—)
Coden: JCRGAE ISSN 0022-0248
Journal of Crystal Growth North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

J. Crystallogr. & Spectrosc. Res. (USA) (vol.12, no.1 Feb. 1982—)
Coden: JCREDB ISSN 0277-8068
Journal of Crystallographic and Spectroscopic Research Formerly: J. Cryst. & Mol. Struct. (USA)
Plenum Publishing Corp., 233 Spring Street, New York, NY 10013, USA

J. Cybern. & Inf. Sci. (USA) (vol.1, no.1 Spring 1976—)
Coden: JCINDR ISSN 0146-5090
Journal of Cybernetics and Information Science American Society for Cybernetics, 1025 Connecticut Avenue, N.W., Suite 914, Washington, DC 20036, USA

† indicates a journal abstracted completely

J. Cybern. (USA) (vol.1, no.1 Jan.-March 1971—)
Coden: JCYBAY ISSN 0022-0280
Journal of Cybernetics Title changed to: Cybern. & Syst. (USA)

J. Dalian Eng. Inst. (Dalian Gongxueyuan Xuebao) (China) (no.1 1978—)
Coden: TKHPDO
Journal of Dalian Engineering Institute (Dalian Gongxueyuan Xuebao) Title changed to: J. Dalian Inst. Technol. (Dalian Gongxueyuan Xuebao) (China)

J. Dalian Inst. Technol. (Dalian Gongxueyuan Xuebao) (China) (no.1 March 1979—)
Coden: TKHPDO ISSN 0253-0031
Journal of Dalian Institute of Technology (Dalian Gongxueyuan Xuebao) Formerly: J. Dalian Eng. Inst. (Dalian Gongxueyuan Xuebao) (China)
Dalian, People's Republic of China

J. Data Manage. (USA) (vol.16, no.10 Oct. 1968—)
Coden: JDMAAC
Journal of Data Management Title changed to: Data Manage. (USA)

J. Des. Autom. & Fault-Tolerant Comput. (USA) (vol.1, no.1 Oct. 1976—)
Coden: JDACDT ISSN 0099-1708
Journal of Design Automation & Fault-Tolerant Computing Title changed to: J. Digital Syst. (USA)

J. Differ. Equations (USA) (1968—)
Coden: JDEQAK ISSN 0022-0396
Journal of Differential Equations Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

J. Digital Syst. (USA) (vol.4, no.1 Spring 1980—)
Coden: JDSYDF ISSN 0195-4350
Journal of Digital Systems Formerly: J. Des. Autom. & Fault-Tolerant Comput. (USA) Title changed to: J. VLSI & Comput. Syst. (USA)

J. Doc. (GB) (vol.26, no.2 June 1970—)
Coden: JDOCAS ISSN 0022-0418
Journal of Documentation Aslib, 3 Belgrave Square, London, SW1X 8PL, England

J. Dyn. Syst. Meas. & Control
See: Trans. ASME. J. Dyn. Syst. Meas. & Control (USA)

J. Econ. Dyn. & Control (Netherlands) (vol.2, no.1 Feb. 1980—)
Coden: JEDCDH ISSN 0165-1889
Journal of Economic Dynamics and Control North-Holland Publishing Co., P.O.Box 211, 1000 AE Amsterdam, Netherlands

J. Educ. Librarianship (USA) (vol.13, no.2 Fall 1972—)
Coden: JLELAR ISSN 0022-0604
Journal of Education for Librarianship Association of American Library Schools, 471 Park Lane, State College, PA 16801, USA

J. Educ. Technol. Syst. (USA) (vol.2, no.3 Winter 1974—)
Coden: JETSB7 ISSN 0047-2395
Journal of Educational Technology Systems Baywood Publishing Co. Inc., 120 Marine Street, Farmingdale, NY 11735, USA

J. Elasticity (Netherlands) (vol.1, no.1 Sept. 1971—)
Coden: JELSAY ISSN 0374-3535
Journal of Elasticity Sijthoff & Noordhoff International Publishers, P.O.Box 4, 2400 MA Alphen aan den Rijn, Netherlands

†**J. Electr. & Electron. Eng. Aust. (Australia)** (vol.1, no.1 March 1981—)
Coden: JEEADG ISSN 0725-2986
Journal of Electrical and Electronics Engineering, Australia Institution of Engineers, Australia, 11 National Circuit, Barton, A.C.T. 2600, Australia. Institution of Radio and Electronics Engineers, Australia, 35-43 Clarence Street, Sydney, N.S.W. 2000. Formed by merger of Proc. IREE Aust. (Australia) and Trans. Inst. Eng. Aust. Electr. Eng. (Australia)

J. Electrochem. Soc. (USA) (1968—)
Coden: JESOAN ISSN 0013-4651
Journal of the Electrochemical Society 215 Canal Street, Manchester, NH 03108, USA

J. Electrochem. Soc. India (vol.20, no.4 Oct. 1971—)
Coden: JESIA5 ISSN 0013-466X
Journal of the Electrochemical Society of India c/o Indian Institute of Science, Department of Metallurgy, Bangalore 560012, India

J. Electrochem. Soc. Jpn.
See: Denki Kagaku (Japan)

J. Electron Microsc. (Japan) (vol.17, no.3 1968—)
Coden: JELJA7 ISSN 0022-0744
Journal of Electron Microscopy Japanese Society of Electron Microscopy, c/o Japan Academic Society Centre, 4-16 Yayoi 2 Chome, Bunkyo-ku, Tokyo 113, Japan

†**J. Electron Spectrosc. & Relat. Phenom. (Netherlands)** (vol.1, no.1 Oct. 1972—)
Coden: JESRAW ISSN 0368-2048
Journal of Electron Spectroscopy and Related Phenomena Elsevier Scientific Publishing Co., P.O. Box 330, 1000 AH Amsterdam, Netherlands

J. Electron. Eng.
See: JEE (Japan)

J. Electron. Ind.
See: JEI-J. Electron. Ind. (Japan)

†**J. Electron. Mater. (USA)** (vol.2, no.1 Feb. 1973—)
Coden: JECMA5 ISSN 0361-5235
Journal of Electronic Materials Plenum Publishing Corp., 233 Spring Street, New York, NY 10013, USA

J. Electrophysiol. Tech. (GB) (vol.10, no.2 1983—)
Coden: JETEDZ ISSN 0361-0209
Journal of Electrophysiological Techniques Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

J. Electrostat. (Netherlands) (vol.1, no.1 Feb. 1975—)
Coden: JOELDH ISSN 0304-3886
Journal of Electrostatics Elsevier Scientific Publishing Co., P.O. Box 330, 1000 AH Amsterdam, Netherlands

J. Energy (USA) (vol.3, no.6 Nov.-Dec. 1979—)
Coden: JENED5 ISSN 0146-0412
Journal of Energy American Institute of Aeronautics and Astronautics, 1290 Avenue of the Americas, New York, NY 10104, USA

J. Energy Resour. Technol.
See: Trans. ASME. J. Energy Resour. Technol. (USA)

J. Eng. Appl. Sci. (GB) (vol.2, no.2 1983—)
Coden: JOASDI ISSN 0191-9539
Journal of Engineering Applied Sciences Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

J. Eng. Ind.
See: Trans. ASME. J. Eng. Ind. (USA)

J. Eng. Mater. & Technol.
See: Trans. ASME. J. Eng. Mater. & Technol. (USA)

J. Eng. Math. (Netherlands) (vol.2, no.4 Oct. 1968—)
Coden: JLEMAU ISSN 0022-0833
Journal of Engineering Mathematics Sijthoff & Noordhoff, International Publishers, Journal Department, P.O. Box 4, Alphen Aan den Rijn, Netherlands

J. Eng. Phys. (Teh. Fiz.)
See: Teh. Fiz. (Yugoslavia)

J. Eng. Phys. (USA) (1968—)
Coden: JEPHAL ISSN 0022-0841
Journal of Engineering Physics [Translation of: *Inzh.-Fiz. Zh. (USSR)*] Consultants Bureau, 233 Spring Street, New York, NY 10013, USA

J. Eng. Power.
See: Trans. ASME. J. Eng. Power (USA)

J. Eng. Sci. (Saudi Arabia) (vol.3, no.1 May 1977—)
Coden: JESCDO ISSN 0377-9254
Journal of Engineering Sciences Title changed to: J. Eng. Sci. King Saud Univ. (Saudi Arabia)

J. Eng. Sci. King Saud Univ. (Saudi Arabia) (vol.8, no.2 1982—)
Coden: JESCDO ISSN 0377-9254
Journal of Engineering Sciences King Saud University Formerly: J. Eng. Sci. (Saudi Arabia)
University Libraries, King Saud University, P.O.Box 22480, Riyadh, Saudi Arabia

J. Environ. Sci. (USA) (vol.24, no.2 March-April 1971—)
Coden: JEVSAG ISSN 0022-0906
Journal of Environmental Sciences Institute of Environmental Sciences, 940 East Northwest Highway, Mt. Prospect, IL 60056, USA

J. Equip. Electr. & Electron. (France) (no.388 15 Sept. 1976—)
Coden: JEEEAP ISSN 0153-9531
Journal de L'Equipment Electrique et Electronique Edition Tests, 71 boulevard Richard Lenoir, 75011 Paris, France

J. Fac. Eng. Chiba Univ. (Japan) (vol.23, no.44 March 1972—)
Coden: CDKKAN ISSN 0577-6848
Journal of the Faculty of Engineering Chiba University Chiba, Japan

J. Fac. Eng. Ibaraki Univ. (Japan) (no.19 1971—)
Coden: IDKSAB ISSN 0367-7389
Journal of the Faculty of Engineering, Ibaraki University Ibaraki, Japan

J. Fac. Eng. Shinshu Univ. (Japan) (no.31 Dec. 1971—)
Coden: SDKKBU ISSN 0037-3818
Journal of the Faculty of Engineering, Shinshu University Nagano, Japan

J. Fac. Eng. Univ. Tokyo Ser. A (Japan) (1968—)
Coden: JETAAK ISSN 0563-7945
Journal of the Faculty of Engineering, University of Tokyo, Series A 3-1, 7-Chome, Hongo, Bunkyo-ku, Tokyo 113, Japan

J. Fac. Eng. Univ. Tokyo Ser. B (Japan) (1968—)
Coden: JETBAN ISSN 0563-7937
Journal of the Faculty of Engineering, University of Tokyo Series B 3-1, 7-Chome, Hongo, Bunkyo-ku, Tokyo 113, Japan

J. Fac. Sci. Univ. Tokyo Sect. 1A (Japan) (1968—)
Coden: JFTMAT ISSN 0040-8980
Journal of the Faculty of Science, University of Tokyo Section 1A (Mathematics) Dean of the Faculty of Science, University of Tokyo, Tokyo, Japan

†**J. Fluid Mech. (GB)** (1968—)
Coden: JFLSA7 ISSN 0022-1120
Journal of Fluid Mechanics Cambridge University Press, The Pitt Building, Trumpington Street, Cambridge CB2 1RP, England

J. Fluids Eng.
See: Trans. ASME. J. Fluids Eng. (USA)

J. Franklin Inst. (USA) (1968—)
Coden: JFINAB ISSN 0016-0032
Journal of the Franklin Institute Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW, England

J. Funct. Anal. (USA) (vol.9, no.4 April 1972—)
Coden: JFUAAW ISSN 0022-1236
Journal of Functional Analysis Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

J. Fusion Energy (USA) (vol.1, no.1 Jan. 1981—)
Coden: JFENDS ISSN 0164-0313
Journal of Fusion Energy Plenum Publishing Corp., 227 West 17th Street, New York, NY 10011, USA

J. Gen. Philos. Sci.
See: Z. Allg. Wissenschaftstheor. (Germany)

J. Geol. (USA) (vol.85, no.1 Jan. 1977—)
Coden: JGEOAZ ISSN 0022-1376
Journal of Geology University of Chicago Press, 5801 Ellis Avenue, Chicago, IL 60637, USA

J. Geomagn. & Geoelectr. (Japan) (1968—)
Coden: JGEGAB ISSN 0022-1392
Journal of Geomagnetism and Geoelectricity University of Tokyo Press, c/o Business Centre for Academic Societies, 4-16 Yayoi 2-chome, Bunkyo-ku, Tokyo 113, Japan

J. Geophys. (Germany) (vol.40, no.1 1974—)
Coden: ZEGEA7 ISSN 0340-062X
Journal of Geophysics (Zeitschrift fur Geophysik) Formerly: Z. Geophys. (Germany)
Springer- Verlag, 6900 Heidelberg 1, Postfach 105280, Germany

†**J. Geophys. Res. (USA)** (1968—)
Coden: JGREA2 ISSN 0148-0227
Journal of Geophysical Research American Geophysical Union, 2000 Florida Avenue, N.W., Washington, DC 20009, USA

J. Graph Theory (USA) (vol.2, no.2 Summer 1978—)
Coden: JGTHDO ISSN 0364-9024
Journal of Graph Theory John Wiley & Sons Inc., 605 Third Avenue, New York, NY 10158, USA

J. Great Lakes Res. (USA) (vol.7, no.2 1981—)
Coden: JGLRDE ISSN 0380-1330
Journal of Great Lakes Research International Association for Great Lakes Research, M4866-4868, Institute of Science & Technology Bldg., University of Michigan, Ann Arbor, MI 48109, USA

J. Guid. & Control (USA) (vol.1, no.5 Sept.-Oct. 1978—)
Coden: JGCODS ISSN 0162-3192
Journal of Guidance and Control Title changed to: J. Guid. Control & Dyn. (USA)

J. Guid. Control & Dyn. (USA) (vol.5, no.3 May-June 1982—)
Coden: JGCDDT ISSN 0731-5090
Journal of Guidance, Control, and Dynamics Formerly: J. Guid. & Control (USA)
American Institute of Aeronautics and Astronautics, 1290 Avenue of the Americas, New York, NY 10104, USA

J. Heat Transfer
See: Trans. ASME. J. Heat Transfer (USA)

J. Hist. Astron. (GB) (vol.1, pt.1 Feb. 1970—)
Coden: JHSAA2 ISSN 0021-8286
Journal for the History of Astronomy Science History Publications Ltd., Halfpenny Furze, Mill Lane, Chalfont St. Giles, Bucks. HP8 4NR, England

J. Horol. Inst. Jpn. (Japan) (1983—)
Coden: NTGAA2 ISSN 0029-0416
Journal of the Horological Institute of Japan Nihon-Gakkai Jim-Center Building, 2-4-16 Yayoi, Bunkyo-ku, Tokyo 113, Japan

J. Huazhong Inst. Technol. (Engl. Ed.) (China) (vol.2, no.1 1980—)
Coden: JJHTDL
Journal of Huazhong Institute of Technology (English Edition) Subscription address: Guozi Shudian, P.O.Box 399, Beijing, People's Republic of China

J. Illum. Eng. Inst. Jpn. (Japan) (vol.56, no.12 Dec. 1972—)
Coden: SHGSAR ISSN 0019-2341
Journal of the Illuminating Engineering Institute of Japan 7-1, Yurakucho 1 chome, Chiyodaku, Tokyo 100, Japan

J. Illum. Eng. Soc. (USA) (vol.1, no.1 Oct. 1971—)
Coden: JIESBS ISSN 0099-4480
Journal of the Illuminating Engineering Society 345 East 47th Street, New York, NY 10017, USA. Supersedes in part: Illum. Eng. (USA)

J. Ind. Aerodyn. (Netherlands) (vol.2, no.1 Jan. 1977—)
Coden: JIAED2
Journal of Industrial Aerodynamics Title changed to: J. Wind Eng. & Ind. Aerodyn. (Netherlands)

J. Indian Inst. Sci. (1968—)
Coden: JIISAD ISSN 0019-4964
Journal of the Indian Institute of Science Bangalore 560012, India

J. Inf. & Image Manage. (USA) (vol.16, no.7 July 1983—)
Coden: JIIMDW ISSN 0022-2712
Journal of Information and Image Management Formerly: J. Microgr. (USA)
Association for Information and Image Management, 8719 Colesville Road, Silver Spring, MD 20910, USA

†**J. Inf. & Optimiz. Sci. (India)** (vol.1, no.1 Jan. 1980—)
Coden: JIOSDC ISSN 0252-2667
Journal of Information & Optimization Sciences Analytic Publishing Co., F-23 Model Town, Delhi-110009, India

J. Inf. Process.
See: Neue Tech. Buero (Germany)

†**J. Inf. Process. (Japan)** (vol.1, no.1 1978—)
Coden: JIPRDE ISSN 0387-6101
Journal of Information Processing Information Processing Society of Japan, Kikai-Shinko Kaikan, 3-5-8 Shiba-koen, Kinato-ku, Tokyo 105, Japan

J. Inf. Process. Soc. Jpn. (Japan) (vol.14, no.1 1973—)
Coden: JOSHA4
Journal of the Information Processing Society of Japan (Joho Shori) Title changed to: Inf. Process. Soc. Jpn. (Joho Shori) (Japan)

J. Inf. Sci. Princ. & Pract. (Netherlands) (vol.1, no.1 April 1979—)
Coden: JISCDI ISSN 0165-5515
Journal of Information Science, Principles & Practice Formerly: Inf. Scientist (GB)
Published for the Institute of Information Scientists by the North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

J. Ing. (Belgium) (vol.29, no.2 1980—)
Coden: JOINA6 ISSN 0021-8065
Journal des Ingenieurs Association pour l'Encouragement a l'Union des Revues Techniques Belges, Hotel de Societes Scientifiques, rue des Champs-Elysees 43, 1050 Bruxelles, Belgium

J. Inorg. & Nucl. Chem. (GB) (vol.30, no.8 Aug. 1968—)
Coden: JINCAO ISSN 0022-1902
Journal of Inorganic and Nuclear Chemistry Merged with Inorg. & Nucl. Chem. Lett. (GB) to form Polyhedron (GB)

J. Inst. Bankers (GB) (vol.104, pt.3 June 1983—)
Journal of the Institute of Bankers Merged with Bankers' Mag. (GB) to form Banking World (GB)

J. Inst. Electr. Eng.
See: Electron. & Power (GB)

J. Inst. Electron. & Commun. Eng. Jpn. (Japan) (vol.61, no.1 Jan. 1978—)
Coden: IECJAJ ISSN 0373-6121
Journal of the Institute of Electronics and Communication Engineers of Japan Denshi Tsushin Gakkai, Kikai-Shinko-Kaikan, 5-8, Shibakoen 3 Chome Minato-ku, Tokyo 105, Japan

J. Inst. Electron. & Telecommun. Eng. (India) (vol.19, no.7 July 1973—)
Coden: JIETAU ISSN 0377-2063
Journal of the Institution of Electronics and Telecommunication Engineers Formerly: J. Inst. Telecommun. Eng. (India)
Institution of Electronics & Telecommunication Engineers, 2 Institutional Area, Lodi Road, New Delhi 110003, India

J. Inst. Energy (GB) (vol.52, no.410 March 1979—)
Coden: JINEDX ISSN 0144-2600
Journal of the Institute of Energy 18 Devonshire Street, Portland Place, London W1N 2AU, England

†**J. Inst. Eng. (India) Electr. Eng. Div.** (1968—)
Coden: JEELAC ISSN 0020-3386
Journal of the Institution of Engineers (India) Electrical Engineering Division 8 Gokhale Road, Calcutta 700020, India

†**J. Inst. Eng. (India) Electron. & Telecommun. Eng. Div.** (1968—)
Coden: JEETA2 ISSN 0020-3378
Journal of the Institution of Engineers (India) Electronics and Telecommunication Engineering Division 8 Gokhale Road, Calcutta 700020, India

J. Inst. Eng. (India) Interdisciplinary & Gen. Eng. (vol.60, pt.IDGE 3 June 1980—)
Coden: JIEEDM ISSN 0251-1118
Journal of the Institution of Engineers (India) Interdisciplinary and General Engineering 8 Gokhale Road, Calcutta 700020, India

J. Inst. Eng. (India) Mech. Eng. Div. (vol.49, no.3, pt.ME2 Nov. 1968—)
Coden: JEMDAS ISSN 0020-3408
Journal of the Institution of Engineers (India) Mechanical Engineering Division 8 Gokhale Road, Calcutta 700020, India

J. Inst. Eng. (India) Min. & Metall. Div. (vol.61, pt.MM1 July 1980—)
Coden: JEMMAL ISSN 0020-3394
Journal of the Institution of Engineers (India) Mining and Metallurgy Division 8 Gokhale Road, Calcutta 700 020, India

J. Inst. Eng. Aust. (Australia) (1968—)
Coden: JISGAR ISSN 0020-3319
Journal of the Institution of Engineers, Australia Miadna Pty. Ltd., 11 National Circuit, Barton ACT 2600, Australia

J. Inst. Math. & Appl. (GB) (1968—)
Coden: JMTAA8 ISSN 0020-2932
Journal of the Institute of Mathematics and its Applications Title changed to: IMA J. Appl. Math. (GB)

J. Inst. Navig.
See: Navigation (USA)

J. Inst. Nucl. Eng. (GB) (vol.13, no.1 Jan.-Feb. 1972—)
Coden: JINEBV
Journal of the Institution of Nuclear Engineers Title changed to: Nucl. Eng. (GB)

J. Inst. Nucl. Mater. Manage. (USA) (vol.9, no.3 Fall 1980—)
Coden: NUMMB8 ISSN 0362-0034
Journal of the Institute of Nuclear Materials Management Formerly: Nucl. Mater. Manage. (USA)
INMMM Secretary, Goodyear Atomic Corp., P.O.Box 628, Piketon, OH 45661, USA

J. Inst. Telecommun. Eng. (India) (1968—)
Coden: JITEAQ
Journal of the Institution of Telecommunication Engineers Title changed to: J. Inst. Electron. & Telecommun. Eng. (India)

J. Inst. Telev. Eng. Jpn. (Japan) (1968—)
Coden: JITJA7 ISSN 0386-6831
Journal of the Institute of Television Engineers of Japan Kikai-Shinko Building, 3-5-8 Shiba Park, Minato-ku, Shiba PO, Tokyo, Japan

J. Jap. Assoc. Autom. Control Eng. (Japan) (1968—)
Coden: SEKOAE
Journal of the Japan Association of Automatic Control Engineers Title changed to: Syst. & Control (Japan)

J. Jpn. Assoc. Philos. Sci. (Japan) (no.33 1969—)
Coden: KAKKAM ISSN 0022-7668
Journal of the Japan Association for Philosophy of Science c/o Institute of Statistical Mathematics, 6-7, 4-chome, Minami-azabu, Minato-ku, Tokyo, Japan

†**J. Jpn. Inst. Met. (Japan)** (vol.35, no.8 Aug. 1971—)
Coden: NIKGAV ISSN 0021-4876
Journal of the Japan Institute of Metals Aza-Aoba Aramaki, Sendai 980, Japan

J. Jpn. Inst. Navig. (Japan) (1983—)
Coden: NKGRDR ISSN 0388-7405
Journal of Japan Institute of Navigation c/o Tokyo University of Mercantile Marine, 1-6 Etchujima 2, Koto-ku, Tokyo 135, Japan

J. Jpn. Soc. Aeronaut. & Space Sci. (Japan) (1983—)
Coden: NKGAB8 ISSN 0021-4663
Journal of the Japan Society for Aeronautical and Space Sciences Kouku-Kaikan-bunkan, 1-18-2 Shinbashi, Minato-ku, Tokyo 105, Japan

J. Jpn. Soc. Precis. Eng. (Japan) (vol.37, no.8 Aug. 1971—)
Coden: JJPEAD ISSN 0374-3543
Journal of the Japan Society of Precision Engineering Ceramics Building, 22-12, Hyakunincho 2-chome, Shinjuku-Ku, Tokyo, Japan

J. Jpn. Soc. Simulation Technol. (Japan) (1983—)
Coden: SHIMDM ISSN 0285-9947
Journal of the Japan Society for Simulation Technology 5-10-11 Sendagaya, Shibuya-ku, Tokyo 151, Japan

J. Korea Inf. Sci. Soc. (vol.8, no.1 March 1981—)
Coden: HJKHDC
Journal of the Korea Information Science Society Korea Advanced Institute of Science, P.O.Box 150, Chongyangni, Seoul, Korea

J. Korea Inst. Electron. Eng. (vol.8, no.2 July 1971—)
Coden: JKEEAX ISSN 0379-7848
Journal of Korea Institute of Electronics Engineers San 76-561 Yuck-sam-Dong, Kangnam-ku, Seoul 134-03, Korea

J. Korean Inst. Electr. Eng. (1968—)
Coden: JKIEAJ ISSN 0374-4876
Journal of the Korean Institute of Electrical Engineers Korean Institute of Electrical Engineers, 11-4 Soopyo-dong, Chung-ku, Seoul 100, Korea

J. Korean Inst. Met. (vol.9, no.1 June 1971—)
Coden: KUHCAL ISSN 0253-3847
Journal of the Korean Institute of Metals C.P.O. Box 5311, Seoul, Korea

J. Korean Nucl. Soc. (vol.8, no.4 Dec. 1976—)
Coden: WJHKAW ISSN 0372-7327
Journal of the Korean Nuclear Society P.O. Box 7, Cheong Ryang, Seoul, Korea

J. Korean Phys. Soc. (vol.1, no.1 March 1968—)
Coden: KPSJAS ISSN 0374-4884
Journal of the Korean Physical Society Korean Physical Society, Science Centre Building, San 76-561, Yuksan-dong, Kangam-ku, Seoul, Korea

J. Less-Common Met. (Switzerland) (vol.16, no.4 Dec. 1968—)
Coden: JCOMAH ISSN 0022-5088
Journal of the Less-Common Metals Elsevier Sequoia SA, P.O. Box 851, 1001 Lausanne 1, Switzerland

J. Libr. Autom. (USA) (vol.2, no.2 June 1969—)
Coden: JLAUAY ISSN 0022-2240
Journal of Library Automation Title changed to: Inf. Technol. & Libr. (USA)

J. Librarianship (GB) (vol.4, no.1 Jan. 1972—)
Coden: JLIBAH ISSN 0022-2232
Journal of Librarianship Library Association, 7 Ridgmount Street, London, WC1E 7AE, England

†**J. Lightwave Technol. (USA)** (vol.LT-1, no.1 March 1983—)
Coden: JLTEDG ISSN 0733-8724
Journal of Lightwave Technology Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA. Optical Society of America, 2000 L Street, N.W., Washington, DC 20036

†**J. Low Temp. Phys. (USA)** (vol.1, no.5 Oct. 1969—)
Coden: JLTPAC ISSN 0022-2291
Journal of Low Temperature Physics Plenum Publishing Corp., 227 West 17th Street, New York, NY 10011, USA

J. Lubr. Technol.
See: Trans. ASME. J. Lubr. Technol. (USA)

J. Lumin. (Netherlands) (vol.3, no.1 April 1970—)
Coden: JLUMA8 ISSN 0022-2313
Journal of Luminescence North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

J. Macromol. Sci. - Phys. (USA) (vol.B11, no.3 1975—)
Coden: JMAPBR ISSN 0022-2348
Journal of Macromolecular Science - Physics Marcel Dekker Inc., P.O. Box 11305, Church Street Station, New York, NY 10249, USA

†**J. Magn. & Magn. Mater. (Netherlands)** (vol.1, no.2 Nov. 1975—)
Coden: JMMMDC ISSN 0304-8853
Journal of Magnetism and Magnetic Materials North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

†**J. Magn. Resonance (USA)** (vol.2, no.2 March 1970—)
Coden: JOMRA4 ISSN 0022-2364
Journal of Magnetic Resonance Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

J. Manage. Stud. (GB) (vol.19, no.1 Jan. 1982—)
Coden: JMASB2 ISSN 0022-2380
Journal of Management Studies Basil Blackwell Publisher Ltd., 108 Cowley Road, Oxford OX4 1JF, England

J. Mater. (USA) (vol.4, no.2 June 1969—)
Coden: JMLSAM
Journal of Materials Title changed to: J. Test. & Eval. (USA)

†**J. Mater. Sci. (GB)** (vol.3, no.5 Sept. 1968—)
Coden: JMTSAS ISSN 0022-2461
Journal of Materials Science Chapman and Hall, 11 New Fetter Lane, London, EC4P 4EE, England

†**J. Mater. Sci. Lett. (GB)** (vol.1, no.1 Jan. 1982—)
Coden: JMTSAS ISSN 0261-8028
Journal of Materials Science Letters Chapman and Hall, 11 New Fetter Lane, London EC4P 4EE, England

J. Math. & Phys. Sci. (India) (vol.3, no.2 June 1969—)
Coden: JMPSB9 ISSN 0047-2557
Journal of Mathematical and Physical Sciences Indian Institute of Technology, Department of Mathematics, Madras 600 036, India

J. Math. & Sci. (Pakistan) (vol.1, no.1 June 1974—)
Coden: JMMSAR
Journal of Mathematics and Sciences Title changed to: Islamabad J. Sci. (Pakistan)

J. Math. Anal. & Appl. (USA) (1968—)
Coden: JMANAK ISSN 0022-247X
Journal of Mathematical Analysis and Applications Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

J. Math. Biol. (Germany) (vol.5, no.1 1977—)
Coden: JMBLAJ ISSN 0303-6812
Journal of Mathematical Biology Springer-Verlag, Heidelberger Platz 3, D-1000 Berlin 33, Germany

J. Math. Modelling Teach. (GB) (vol.3, no.1 June 1980—)
Coden: JMMTDX ISSN 0144-6312
Journal of Mathematical Modelling for Teachers Cranfield Centre for Teacher Services, Cranfield Institute of Technology, Cranfield, Bedford MK43 OAL, England

†**J. Math. Phys. (USA)** (1968—)
Coden: JMAPAQ ISSN 0022-2488
Journal of Mathematical Physics American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

J. Math. Sociol. (GB) (vol.2, no.1 Jan. 1972—)
Coden: JMTSBT ISSN 0022-250X
Journal of Mathematical Sociology Gordon & Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England

J. Mec. (France) (1968—)
Coden: JOMCAR ISSN 0021-7832
Journal de Mecanique Merged with J. Mec. Appl. (France) to form J. Mec. Theor. & Appl. (France)

J. Mec. Appl. (France) (vol.1, no.2 1977—)
Coden: JMAPDT ISSN 0399-0842
Journal de Mecanique Appliquee Merged with J. Mec. (France) to form J. Mec. Theor. & Appl. (France)

J. Mec. Theor. & Appl. (France) (vol.1, no.1 1982—)
Coden: JMTADB ISSN 0750-7240
Journal de Mecanique Theorique et Appliquee (Journal of Theoretical and Applied Mechanics) CDR, Centrale des Revues, 11 rue Gossin, 92543 Montrouge Cedex, France. Formed by merger of J. Mec. (France) and J. Mec. Appl. (France)

J. Mech. & Phys. Solids (GB) (1968—)
Coden: JMPSA8 ISSN 0022-5096
Journal of the Mechanics and Physics of Solids Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW, England

J. Mech. (GB) (1968—)
Coden: JMECB8
Journal of Mechanisms Title changed to: Mech. & Mach. Theory (GB)

J. Mech. Des.
See: Trans. ASME. J. Mech. Des. (USA)

J. Mech. Eng. Lab. (Japan) (vol.25, no.3 May 1971—)
Coden: KGKSBL ISSN 0388-4252
Journal of Mechanical Engineering Laboratory Formerly: J. Mech. Lab. Jap. (Japan)
Namiki Sakura-mura, Niihari-gun, Ibaraki, Japan

J. Mech. Eng. Sci. (GB) (1968—)
Coden: JMESAL ISSN 0022-2542
Journal of Mechanical Engineering Science Title changed to: Proc. Inst. Mech. Eng. Part C (GB)

J. Mech. Lab. Jap. (Japan) (vol.14, no.2 1968—)
Coden: JMLJAT
Journal of Mechanical Laboratory of Japan Title changed to: J. Mech. Eng. Lab. (Japan)

J. Med. Eng. & Technol. (GB) (vol.1, no.1 Jan. 1977—)
Coden: JMTEDN ISSN 0309-1902
Journal of Medical Engineering & Technology Formerly: Bio-Med. Eng. (GB)
Taylor & Francis Ltd., 4 John Street, London WC1N 2ET, England

J. Membrane Sci. (Netherlands) (vol.2, no.1 March 1977—)
Coden: JMESDO ISSN 0376-7388
Journal of Membrane Science Elsevier Scientific Publishing Co., P.O. Box 330, 1000 AH Amsterdam, Netherlands

J. Met. (USA) (1968—)
Coden: JOMTAA ISSN 0148-6608
Journal of Metals Metallurgical Society of AIME, P.O. Box 430, 420 Commonwealth Drive, Warrendale, PA 15086, USA

†**J. Microcomput. Appl. (GB)** (vol.5, no.1 Jan. 1982—)
Coden: JMIADO ISSN 0143-3792
Journal of Microcomputer Applications Academic Press Inc. (London) Ltd., 24-28 Oval Road, London NW1 7DX, England

J. Microgr. (USA) (vol.5, no.3 Jan. 1972—)
Coden: JMGPBN ISSN 0022-2712
Journal of Micrographics Title changed to: J. Inf. & Image Manage. (USA)

J. Microsc. & Spectrosc. Electron. (France) (vol.1, no.1 March 1976—)
Coden: JMSEDI ISSN 0395-9279
Journal de Microscopie et de Spectroscopie Electroniques Societe Francaise de Microscopie Electronique, 67 rue Maurice-Gunsbourg, 94200 Ivry, France

J. Microsc. (GB) (vol.95, pt.1 Feb. 1972—)
Coden: JMICAR ISSN 0022-2720
Journal of Microscopy Blackwell Scientific Publications Ltd., Osney Mead, Oxford OX2 0EL, England

†**J. Microwave Power (Canada)** (vol.3, no.4 Dec. 1968—)
Coden: JLMPAB ISSN 0022-2739
Journal of Microwave Power IMPI, University of Ottawa, Ottawa, Ont. K1N 6N5, Canada

†**J. Mol. Liq. (Netherlands)** (vol.25, no.1 March 1983—)
ISSN 0167-7322
Journal of Molecular Liquids Formerly: Adv. Mol. Relaxation & Interaction Processes (Netherlands)
Elsevier Science Publishers B.V., P.O.Box 211, 1000 AE Amsterdam, Netherlands

†**J. Mol. Spectrosc. (USA)** (1968—)
Coden: JMOSA3 ISSN 0022-2852
Journal of Molecular Spectroscopy Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

†**J. Mol. Struct. (Netherlands)** (vol.3, no.4-5 May-June 1969—)
Coden: JMOSB4 ISSN 0022-2860
Journal of Molecular Structure Elsevier Scientific Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

J. Multivariate Anal. (USA) (vol.1, no.3 Sept. 1971—)
Coden: JMVAAI ISSN 0047-259X
Journal of Multivariate Analysis Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

J. Nanjing Inst. Technol. (China) (no.2 1981—)
Coden: NKHPDQ ISSN 0254-4180
Journal of Nanjing Institute of Technology Subscription address: Guozi Shudian, P.O.Box 399, Beijing, People's Republic of China

J. Natl. Res. Counc. Thailand (1968—)
Coden: JRCTAF ISSN 0028-0011
Journal of the National Research Council of Thailand Thai National Documentation Centre, Bangkhen, Thailand

J. Navig. (GB) (vol.30, no.3 Sept. 1977—)
Coden: JONVAL ISSN 0373-4633
Journal of Navigation Royal Institute of Navigation at the Royal Geographical Society, 1 Kensington Gore, London, SW7 2AT, England

J. Neurosci. Methods (Netherlands) (vol.1, no.1 March 1979—)
Coden: JNMEDT ISSN 0165-0270
Journal of Neuroscience Methods Elsevier/North-Holland, Journal Division, P.O. Box 211, 1000 AE Amsterdam, Netherlands

†**J. Non-Cryst. Solids (Netherlands)** (vol.1, no.1 Dec. 1968—)
Coden: JNCSBJ ISSN 0022-3093
Journal of Non-Crystalline Solids North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

J. Non-Equilibrium Thermodyn. (Germany) (vol.4, no.1 1979—)
Coden: JNETDY ISSN 0340-0204
Journal of Non-Equilibrium Thermodynamics Walter de Gruyter & Co., Genthiner Strasse 13, D-1000 Berlin 30, Germany

†**J. Non-Newtonian Fluid Mech. (Netherlands)** (vol.1, no.1 Jan. 1976—)
Coden: JNFMDI ISSN 0377-0257
Journal of Non-Newtonian Fluid Mechanics Elsevier Scientific Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

†**J. Nondestr. Eval. (USA)** (vol.1, no.1 March 1980—)
Coden: JNOED5 ISSN 0195-9298
Journal of Nondestructive Evaluation Plenum Publishing Corp., 233 Spring Street, New York, NY 10013, USA

J. Nonmet. & Semicond. (GB) (vol.2, no.3 Oct. 1975—)
Coden: JNSEDP
Journal of Nonmetals and Semiconductors Formerly: J. Nonmet. (GB) Title changed to: Semicond. & Insul. (GB)

J. Nonmet. (GB) (vol.1, no.1 1972—)
Coden: JNMTA3
Journal of Nonmetals Title changed to: J. Nonmet. & Semicond. (GB)

J. Nucl. Energy (GB) (1968—)
Coden: JNCEAA
Journal of Nuclear Energy Title changed to: Ann. Nucl. Sci. & Eng. (GB)

†**J. Nucl. Mater. (Netherlands)** (1968—)
Coden: JNUMAM ISSN 0022-3115
Journal of Nuclear Materials North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

J. Nucl. Med. & Allied Sci. (Italy) (vol.24, no.1-2 Jan.-June 1980—)
Coden: JNMSD3 ISSN 0392-0208
Journal of Nuclear Medicine and Allied Sciences Edizioni Minerva Medica, Corso Bramante 83-85, Torino, Italy

J. Nucl. Med. (USA) (vol.9, no.12 Dec. 1968—)
Coden: JNMEAQ ISSN 0161-5505
Journal of Nuclear Medicine Society of Nuclear Medicine, 475 Park Avenue South, New York, NY 10016, USA

J. Nucl. Med. Technol. (USA) (vol.2, no.1 March 1974—)
Coden: JNMTB4 ISSN 0091-4916
Journal of Nuclear Medicine Technology Society of Nuclear Medicine, 475 Park Avenue South, New York, NY 10016, USA

J. Nucl. Radiochem.
See: He Huaxue Yu Fangshe Huaxue (China)

J. Nucl. Sci. & Technol. (Japan) (1968—)
Coden: JNSTAX ISSN 0022-3131
Journal of Nuclear Science and Technology Atomic Energy Society of Japan, 1-5-4 Ohte-machi, Chiyoda-ku, Tokyo 100, Japan

J. Number Theory (USA) (vol.14, no.1 Feb. 1982—)
Coden: JNUTA9 ISSN 0022-314X
Journal of Number Theory Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

J. Occup. Psychol. (GB) (vol.56, no.1 1983—)
Coden: JOCPDJ ISSN 0305-8107
Journal of Occupational Psychology British Psychological Society, St. Andrews House, 48 Princess Road East, Leicester LE1 7DR, England

J. Oper. Res. Soc. (GB) (vol.29, no.1 Jan. 1978—)
Coden: JORSDZ ISSN 0160-5682
Journal of the Operational Research Society Formerly: Oper. Res. Q. (GB)
Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

J. Oper. Res. Soc. Jpn. (Japan) (vol.13, no.4 March 1971—)
Coden: JORJA5 ISSN 0453-4514
Journal of the Operations Research Society of Japan Operations Research Society of Japan, 4-16 Yayoi 2-chome, Bunko-ku, Tokyo 113, Japan

†**J. Opt. (France)** (vol.8, no.1 Jan.-Feb. 1977—)
Coden: JOOPDB ISSN 0150-536X
Journal of Optics Formerly: Nouv. Rev. Opt. (France)
Masson Editeur, 120 Boulevard Saint-Germain, 75280 Paris Cedex 06, France

J. Opt. (India) (vol.1, no.1 July-Sept. 1972—)
Coden: JOPTBQ ISSN 0150-536X
Journal of Optics Optical Society of India, Department of Applied Physics, University of Calcutta, 92 Acharya Prafulla Chandra Road, Calcutta 700 009, India

†**J. Opt. Commun. (Germany)** (vol.2 Sept. 1981—)
Coden: JOCODG ISSN 0173-4911
Journal of Optical Communications Fachverlag Schiele & Schon GmbH, Markgrafenstrasse 11, D-1000 Berlin 61, Germany

†**J. Opt. Soc. Am. (USA)** (1968—)
Coden: JOSAAH ISSN 0030-3941
Journal of the Optical Society of America Published for the Optical Society of America by the American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

†**J. Optimiz. Theory & Appl. (USA)** (vol.1, no.3 Nov. 1967—)
Coden: JOTABN ISSN 0022-3239
Journal of Optimization Theory and Applications Plenum Publishing Corp., 233 Spring Street, New York, NY 10013, USA

J. PASCAL & ADA (USA) (vol.2, no.2 March-April 1983—)
Coden: JOPAD5 ISSN 0735-1232
Journal of PASCAL and ADA West Publishing Co., 898 South State Street, No. 25, Orem, UT 84057, USA

J. Petrol. (GB) (vol.21, no.1 Feb. 1980—)
Coden: JPTGAD ISSN 0022-3530
Journal of Petrology Oxford University Press, Press Road, London NW10 0DD, England

J. Photoacoust. (USA) (vol.1, no.1 1982—)
Coden: JPHODE ISSN 0278-2901
Journal of Photoacoustics Marcel Dekker Inc., 270 Madison Avenue, New York, NY 10016, USA

J. Photogr. Sci. (GB) (1968—)
Coden: JPTSAF ISSN 0022-3638
Journal of Photographic Science Royal Photographic Society, 14 South Audley Street, London W1Y 5DP, England

†**J. Phys. & Chem. Ref. Data (USA)** (vol.2, no.1 1973—)
Coden: JPCRBU ISSN 0047-2689
Journal of Physical and Chemical Reference Data American Chemical Society, 1155 Sixteenth Street, N.W., Washington, DC 20036, USA

†**J. Phys. & Chem. Solids (GB)** (1968—)
Coden: JPCSAW ISSN 0022-3697
Journal of the Physics and Chemistry of Solids Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW, England

†**J. Phys. (France)** (1968—)
Coden: JOPQAG ISSN 0302-0738
Journal de Physique Zone Industrielle de Courtaboeuf, B.P. 112, 91944 Les Ulis Cedex, France

†**J. Phys. A (GB)** (1968—)
Coden: JPHAC5 ISSN 0305-4470
Journal of Physics A, (Mathematical and General) Institute of Physics, 47 Belgrave Square, London SW1X 8QX, England

†**J. Phys. B (GB)** (1968—)
Coden: JPAMA4 ISSN 0022-3700
Journal of Physics B, (Atomic and Molecular Physics) Institute of Physics, 47 Belgrave Square, London SW1X 8QX, England

†**J. Phys. C (GB)** (1968—)
Coden: JPSOAW ISSN 0022-3719
Journal of Physics C, (Solid State Physics) Institute of Physics, 47 Belgrave Square, London SW1X 8QX, England

J. Phys. Chem. (USA) (1968—)
Coden: JPCHAX ISSN 0022-3654
Journal of Physical Chemistry American Chemical Society, 1155 Sixteenth Street N.W., Washington, DC 20036, USA

J. Phys. Colloq. (France) (vol.40, no.c-1 Feb. 1979—)
Coden: JPQCAK ISSN 0449-1947
Journal de Physique Colloque Zone Industrielle de Courtaboeuf, B.P. 112, 91944 Les Ulis Cedex, France

†**J. Phys. D (GB)** (vol.3, no.1 Jan. 1970—)
Coden: JPAPBE ISSN 0022-3727
Journal of Physics D, (Applied Physics) Formerly: Br. J. Appl. Phys. (J. Phys. D) (GB)
Institute of Physics, 47 Belgrave Square, London SW1X 8QX, England

†**J. Phys. E (GB)** (1968—)
Coden: JPSIAE ISSN 0022-3735
Journal of Physics E, (Scientific Instruments) Formerly: J. Sci. Instrum. (GB)
Institute of Physics, 47 Belgrave Square, London SW1X 8QX, England

J. Phys. Earth (Japan) (vol.19, no.1 March 1971—)
Coden: JPHEAF ISSN 0022-3743
Journal of Physics of the Earth University of Tokyo Press, c/o Business Centre for Academic Sciences, 4-16 Yayoi 2-chome, Bunkyo-ku, Tokyo 113, Japan. Subscription address: Japan Publications Trading Co. Ltd., C.P.O. 722, Tokyo, Japan

†**J. Phys. F (GB)** (vol.1, no.1 Jan. 1971—)
Coden: JPFMAT ISSN 0305-4608
Journal of Physics F, (Metal Physics) Formerly: Met. Phys. (GB)
Institute of Physics, 47 Belgrave Square, London SW1X 8QX, England

†**J. Phys. G (GB)** (vol.1, no.1 10 Jan. 1975—)
Coden: JPHGBM ISSN 0305-4616
Journal of Physics G, (Nuclear Physics) Institute of Physics, 47 Belgrave Square, London SW1X 8QX, England

†**J. Phys. Lett. (France)** (vol.35, no.1 Jan. 1974—)
Coden: JPSLBO ISSN 0302-072X
Journal de Physique Lettres Issued with: *J. Phys. (France)*

J. Phys. Oceanogr. (USA) (vol.1, no.3 July 1971—)
Coden: JPYOBT ISSN 0022-3670
Journal of Physical Oceanography American Meteorological Society, 45 Beacon Street, Boston, MA 02108, USA

†**J. Phys. Soc. Jpn. (Japan)** (1968—)
Coden: JUPSAU ISSN 0031-9015
Journal of the Physical Society of Japan Room 211, Kikai Shinko Building, 3-5-8 Shiba Koen, Minato-ku, Tokyo 105, Japan

J. Plasma Phys. & Thermonucl. Fusion
See: Nucl. Fusion (Austria)

†**J. Plasma Phys. (GB)** (1968—)
Coden: JPLPBZ ISSN 0022-3778
Journal of Plasma Physics Cambridge University Press, Bentley House, 200 Euston Road, London, NW1 2DB, England

J. Polym. Sci. A-1 (USA) (1968—)
Coden: JPLCAT
Journal of Polymer Science Part A-1 Polymer Chemistry Title changed to: J. Polym. Sci. Polym. Chem. Ed. (USA)

J. Polym. Sci. A-2 (USA) (1968—)
Coden: JPLPAY
Journal of Polymer Science Part A-2 Polymer Physics Title changed to: J. Polym. Sci. Polym. Phys. Ed. (USA)

J. Polym. Sci. B (USA) (1968—)
Coden: JPYBAN
Journal of Polymer Science, Part B Polymer Letters Title changed to: J. Polym. Sci. Polym. Lett. Ed. (USA)

J. Polym. Sci. Macromol. Rev. (USA) (vol.4 1970—)
Coden: JPDMAJ
Journal of Polymer Science, Macromolecular Reviews Title changed to: Macromol. Rev. (USA)

J. Polym. Sci. Polym. Chem. Ed. (USA) (vol.10, no.10 Oct. 1972—)
Coden: JPLCAT ISSN 0360-6376
Journal of Polymer Science, Polymer Chemistry Edition Formerly: J. Polym. Sci. A-1 (USA)
John Wiley & Sons Inc., 605 Third Avenue, New York, NY 10016, USA

J. Polym. Sci. Polym. Lett. Ed. (USA) (vol.10, no.10 Oct. 1972—)
Coden: JPYBAN ISSN 0360-6384
Journal of Polymer Science, Polymer Letters Edition Formerly: J. Polym. Sci. B (USA)
John Wiley & Sons Inc., 605 Third Avenue, New York, NY 10016, USA

J. Polym. Sci. Polym. Phys. Ed. (USA) (vol.10, no.10 Oct. 1972—)
Coden: JPLPAY ISSN 0098-1273
Journal of Polymer Science, Polymer Physics Edition Formerly: J. Polym. Sci. A-2 (USA)
John Wiley & Sons Inc., 605 Third Avenue, New York, NY 10158, USA

J. Polym. Sci. Polym. Symp. (USA) (1968—)
Coden: JPYCAQ ISSN 0360-8905
Journal of Polymer Science, Polymer Symposia John Wiley & Sons Inc., 605 Third Avenue, New York, NY 10016, USA

†**J. Power Sources (Switzerland)** (vol.1, no.1 July 1976—)
Coden: JPSODZ ISSN 0378-7753
Journal of Power Sources Elsevier Sequoia S.A., P.O. Box 851, CH-1001 Lausanne 1, Switzerland

J. Pressure Vessel Technol.
See: Trans. ASME. J. Pressure Vessel Technol. (USA)

J. Pulp & Pap. Sci. (Canada) (vol.9, no.1 March 1983—)
Coden: JPUSDN ISSN 0317-882X
Journal of Pulp and Paper Science Formerly: Trans. Tech. Sect. Can. Pulp & Pap. Assoc. (Canada)
Technical Section, Canadian Pulp and Paper Association, Sun Life Building, 23rd Floor, 1155 Metcalfe Street, Montreal, Que. H3B 2X9, Canada

J. Qing Hua Univ. (China) (vol.19, no.1 1979—)
Coden: CHHPAH
Journal of Qing Hua University Formerly: J. Tsing Hua Univ. (China) Title changed to: J. Tsinghua Univ. (China)

J. Qual. Technol. (USA) (vol.5, no.4 Oct. 1973—)
Coden: JQUTAU ISSN 0022-4065
Journal of Quality Technology American Society of Quality Control, Plankinton Building, 161 West Wisconsin Avenue, Milwaukee, WI 53203, USA

†**J. Quant. Spectrosc. & Radiat. Transfer (GB)** (1968—)
Coden: JQSRAE ISSN 0022-4073
Journal of Quantitative Spectroscopy and Radiative Transfer Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW, England

J. R. Astron. Soc. Can. (Canada) (1968—)
Coden: JRASA2 ISSN 0035-872X
Journal of the Royal Astronomical Society of Canada 136 Dupont Street, Toronto, Ont. M5R 1V2, Canada

J. R. Electr. & Mech. Eng. (GB) (no.23 April 1973—)
Coden: JREMB5 ISSN 0374-3608
Journal of the Royal Electrical and Mechanical Engineers Moat House, Arborfield, Berks., RG2 9LN, England

J. R. Signals Inst. (GB) (vol.10, no.3 Winter 1971—)
Coden: JRSIBT ISSN 0374-3519
Journal of the Royal Signals Institution Cheltenham Terrace, London, SW3 4RH, England

J. R. Stat. Soc. Ser. C
See: Appl. Stat. (GB)

J. R. Telev. Soc.
See: Television (J. R. Telev. Soc.) (GB)

J. Radiat. Res. (Japan) (vol.13, no.1 March 1972—)
Coden: JRARAX ISSN 0449-3060
Journal of Radiation Research Japan Radiation Research Society, c/o National Institute of Radiological Sciences, 9-1, Anagawa-4-chome , Chiba-shi 260, Japan

†**J. Radio Res. Lab. (Japan)** (1968—)
Coden: JRRLAW ISSN 0033-8001
Journal of the Radio Research Laboratories Chief Planning Section, Radio Research Laboratories, Ministry of Posts & Telecommunications, Nukui-Kitamachi, Konganei-shi, Tokyo 184, Japan

J. Radioanal. Chem. (Switzerland) (vol.25, no.2 1975—)
Coden: JRACBN ISSN 0134-0719
Journal of Radioanalytical Chemistry Elsevier Sequoia S.A., P.O. Box 851, 1001 Lausanne 1, Switzerland. Kultura, H-1389 Budapest, 62, P.O. Box 149, Hungary

†**J. Raman Spectrosc. (GB)** (vol.1, no.1 April 1973—)
Coden: JRSPAF ISSN 0377-0486
Journal of Raman Spectroscopy Heyden & Son Ltd., Spectrum House, Hillview Gardens, London NW4 2JQ, England

J. Rech. Atmos. (France) (vol.6, no.4 Oct.-Dec. 1972—)
Coden: JRATA5 ISSN 0021-7972
Journal de Recherches Atmospheriques Observatoire du Puy de Dome, 12 avenue des Landais, 63001 Clermont Ferrand Cedex, France

J. Res. Inst. Sci. & Technol. Nihon Univ. (Japan) (no.36 Sept. 1970—)
Coden: NDRKA9 ISSN 0369-4313
Journal of the Research Institute of Science and Technology, Nihon University Nihon, Japan

J. Res. Natl. Bur. Stand. (USA) (vol.82, no.1 July-Aug. 1977—)
Coden: JRNBAG ISSN 0091-0635
Journal of Research of the National Bureau of Standards US Government Printing Office, Washington, DC 20402, USA. Formed by merger of J. Res. Natl. Bur. Stand. Sect. A (GB) and J. Res. Natl. Bur. Stand. Sect. B (GB)

J. Res. Natl. Bur. Stand. Sect. A (USA) (1968—)
Coden: JNBAAR
Journal of Research of the National Bureau of Standards. Section A (Physics and Chemistry) Merged with J. Res. Natl. Bur. Stand. Sect. B (USA) to form J. Res. Natl. Bur. Stand. (USA)

J. Res. Natl. Bur. Stand. Sect. B (USA) (1968—)
Coden: JNBBAU
Journal of Research of the National Bureau of Standards. Section B (Mathematics and Mathematical Physics) Merged with J. Res. Natl. Bur. Stand. Sect. A (USA) to form J. Res. Natl. Bur. Stand. (USA)

†**J. Rheol. (USA)** (vol.22, no.1 Feb. 1978—)
Coden: JORHD2 ISSN 0148-6055
Journal of Rheology Formerly: Trans. Soc. Rheol. (USA)
Published for the Society of Rheology by John Wiley & Sons Inc., 605 Third Avenue, New York, NY 10016, USA

J. Sci. & Ind. Res. (India) (1968—)
Coden: JSIRAC ISSN 0022-4456
Journal of Scientific and Industrial Research Sales & Distribution Office, Publications & Information Directorate, Hillside Road, New Delhi 110012, India

J. Sci. & Technol. (GB) (vol.36, no.1 1969—)
Coden: JSTGAY
Journal of Science and Technology Title changed to: GEC J. Sci. & Technol. (GB)

J. Sci. Hiroshima Univ. A (Japan) (1968—)
Coden: JSHAAO ISSN 0439-173X
Journal of Science of the Hiroshima University, Series A (Physics and Chemistry) Publishing Committee of Series A, Department of Chemistry, Faculty of Science, Hiroshima University, Hiroshima 730, Japan

J. Sci. Res. Banaras Hindu Univ. (India) (1968—)
Coden: JSRBA9 ISSN 0447-9483
Journal of Scientific Research of the Banaras Hindu University Department of Physics, Faculty of Science, P.O. Banaras Hindu University, Varnasi-221005, India

J. Sci. Soc. Thailand (vol.1, no.3 Sept. 1975—)
Coden: VKSTDB ISSN 0303-8122
Journal of the Science Society of Thailand Chulalongkorn University, Faculty of Science, Bangkok 5, Thailand

J. Seismol. Soc. Jpn.
See: Zisin. J. Seismol. Soc. Jpn. (Japan)

J. Shanghai Chiao-Tung Univ.
See: Shanghai Jiaotong Daxue Xuebao (China)

J. Signalaufzeichnungsmater. (Germany) (vol.2, no.4 1974—)
Coden: JSZMAE ISSN 0323-598X
Journal fur Signalaufzeichnungsmaterialien Akademie-Verlag, 108 Berlin, Leipzigerstrasse 3-4, Germany

J. Singapore Natl. Acad. Sci. (vol.1, no.1 1969—)
Coden: JSNABL ISSN 0129-3729
Journal of the Singapore National Academy of Science Tecco Organisation, 117-b Killiney Road, Singapore 9, Singapore

J. Soc. Environ. Eng. (GB) (no.52 March 1972—)
Coden: JSEEBM ISSN 0374-356X
Journal of the Society of Environmental Engineers Formerly: Environ. Eng. (GB)
Modino Press Ltd., 50 Pine Grove, London, N20 8LA, England

J. Soc. Glass Technol. Sect. B
See: Phys. & Chem. Glasses (GB)

J. Soc. Instrum. & Control Eng. (Japan) (1968—)
Coden: KESEA4 ISSN 0453-4662
Journal of the Society of Instrument and Control Engineers Hongo, 1-35-28-303, Bunkyo-ku, Tokyo 113, Japan

†**J. Soc. Mater. Sci. Jpn. (Japan)** (vol.20, no.217 Oct. 1971—)
Coden: ZARYAQ ISSN 0514-5163
Journal of the Society of Materials Science, Japan 1 Yoshida Izumidono-cho, Sakyo-ku, Kyoto, Japan

J. Soc. Motion Pict. & Telev. Eng. (USA) (1968—)
Coden: JSMTA4
Journal of the Society of Motion Picture and Television Engineers Title changed to: SMPTE J. (USA)

J. Soc. Photo-Opt. Instrum. Eng. (USA) (vol.10, no.1 Oct.-Dec. 1971—)
Coden: SPIEBI
Journal of the Society of Photo-Optical Instrumentation Engineers Title changed to: Opt. Eng. (USA)

J. Soc. Photogr. Sci. & Technol. Jpn. (Japan) (1983—)
Coden: NSGKAP ISSN 0369-5662
Journal of the Society of Photographic Science and Technology of Japan Tokyo Insitute of Polytechnics, 2-9-5 Hon-cho, Nakano-ku, Tokyo 164, Japan

J. Soc. Radiol. Prot. (GB) (vol.1, no.1 Spring 1981—)
Coden: JSRPDK ISSN 0260-2814
Journal of the Society for Radiological Protection C.E.G.B. Berkeley Nuclear Laboratories, Berkeley, Glos. GL13 9PB, England

J. Soc. Res. Adm. (USA) (vol.14, no.4 Spring 1983—)
Coden: JSRAD9
Journal of the Society of Research Administrators 1505 4th Street, Ste. 203, Santa Monica, CA 90401, USA

J. Sol. Energy Eng.
See: Trans. ASME. J. Sol. Energy Eng. (USA)

†**J. Solid State Chem. (USA)** (vol.3, no.4 Nov. 1971—)
Coden: JSSCBI ISSN 0022-4596
Journal of Solid State Chemistry Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

J. Sound & Vib. (GB) (1968—)
Coden: JSVIAG ISSN 0022-460X
Journal of Sound and Vibration Academic Press Inc. (London) Ltd., 24-28 Oval Road, London, NW1 7DX, England

†**J. Sov. Laser Res. (USA)** (vol.1, no.1 Jan.-March 1980—)
Coden: JSLRDU ISSN 0270-2010
Journal of Soviet Laser Research Plenum Publishing Corp., 227 West 17th Street, New York, NY 10016, USA

J. Spacecr. & Rockets (USA) (vol.5, no.10 Oct. 1968—)
Coden: JSCRAG ISSN 0022-4650
Journal of Spacecraft and Rockets American Institute of Aeronautics and Astronautics, 1290 Avenue of the Americas, New York, NY 10104, USA

J. Spectrosc. Soc. Jpn. (Japan) (vol.24, no.1 1975—)
Coden: BUKKAT ISSN 0038-7002
Journal of the Spectroscopical Society of Japan (Bunkyo Kenkyu) Spectroscopical Society of Japan, Room 301, Clean Building, 1-13, Kanda-Awaji-cho, Chiyoda-ku, Tokyo 101, Japan

J. Speech & Hear. Res. (USA) (vol.15, no.1 March 1972—)
Coden: JSPHAH ISSN 0022-4685
Journal of Speech and Hearing Research American Speech-Language-Hearing Association, 10801 Rockville Pike, Rockville, MA 20852, USA

†**J. Stat. Comput. & Simulation (GB)** (vol.1, no.3 July 1972—)
Coden: JSCSAJ ISSN 0094-9655
Journal of Statistical Computation and Simulation Gordon and Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England

†**J. Stat. Phys. (USA)** (vol.1, no.2 1969—)
Coden: JSTPBS ISSN 0022-4715
Journal of Statistical Physics Plenum Publishing Corp., 227 West 17th Street, New York, NY 10011, USA

J. Stat. Plann. & Inference (Netherlands) (vol.3, no.1 April 1979—)
Coden: JSPIDN ISSN 0378-3758
Journal of Statistical Planning and Inference North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

J. Strain Anal. (GB) (vol.8, no.1 Jan. 1973—)
Coden: JSTABH
Journal of Strain Analysis Title changed to: J. Strain Anal. Eng. Des. (GB)

J. Strain Anal. Eng. Des. (GB) (vol.14, no.4 Oct. 1979—)
Coden: JSADDZ ISSN 0309-3247
Journal of Strain Analysis for Engineering Design Formerly: J. Strain Anal. (GB)
Mechanical Engineering Publications Ltd., P.O. Box 24, Northgate Avenue, Bury St. Edmunds, Suffolk IP32 6BW, England

J. Struct. Chem. (USA) (vol.13, no.1 Jan.-Feb. 1972—)
Coden: JSTCAM ISSN 0022-4766
Journal of Structural Chemistry [Translation of: *Zh. Strukt. Khim. (USSR)*] Consultants Bureau, 233 Spring Street, New York, NY 10013, USA

J. Struct. Geol. (GB) (vol.2, no.4 1980—)
Coden: JSTGD3 ISSN 0191-8141
Journal of Structural Geology Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

J. Struct. Mech. (USA) (vol.5, no.1 1977—)
Coden: JSMHA2 ISSN 0360-1218
Journal of Structural Mechanics Marcel Dekker Inc., 270 Madison Avenue, New York, NY 10016, USA

J. Symb. Logic (USA) (vol.42, no.1 March 1977—)
Coden: JSYLA6 ISSN 0022-4812
Journal of Symbolic Logic Association for Symbolic Logic, P.O. Box 6248, Providence, RI 02940, USA

†**J. Syst. & Software (USA)** (vol.1, no.1 1979—)
Coden: JSSODM ISSN 0164-1212
Journal of Systems and Software Elsevier North-Holland Inc., 52 Vanderbilt Avenue, New York, NY 10017, USA

J. Syst. Eng. (GB) (vol.1, no.1 Autumn 1969—)
Coden: JSYEAJ ISSN 0022-4820
Journal of Systems Engineering Title changed to: J. Appl. Syst. Anal. (GB)

†**J. Syst. Manage. (USA)** (vol.21, no.6 June 1970—)
Coden: JSYMA9 ISSN 0022-4839
Journal of Systems Management Association for Systems Management 24587 Bagley Road, Cleveland, OH 44138, USA

J. Tech. Phys. (Poland) (vol.16, no.1 1975—)
Coden: JTPHDR ISSN 0324-8313
Journal of Technical Physics Formerly: Proc. Vib. Probl. (Poland)
Polish Academy of Sciences, Institute of Fundamental Technological Research, Palac Kultury i Nauki, Warszawa, Poland

J. Technol. (India) (1968—)
Coden: JTBEAD ISSN 0047-2824
Journal of Technology Bengal Engineering College, Howrah, India

J. Telecommun. Networks (USA) (vol.1, no.1 Spring 1982—)
Coden: JTNWDS ISSN 0276-0037
Journal of Telecommunication Networks Computer Science Press Inc., 11 Taft Court, Rockville, MD 20850, USA

†**J. Test. & Eval. (USA)** (vol.1, no.1 Jan. 1973—)
Coden: JTEVAB ISSN 0090-3973
Journal of Testing and Evaluation Formerly: J. Mater. (USA)
American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103, USA

J. Theor. & Appl. Mech.
See: J. Mec. Theor. & Appl. (France)

† indicates a journal abstracted completely

J. Therm. Anal. (GB) (vol.3, no.1 1971—)
Coden: JTHEA9 ISSN 0022-5215
Journal of Thermal Analysis Heyden & Son Ltd., Spectrum House, Hillview Gardens, London NW4 2JQ, England. Akademiai Kiado, Alkotmany U 21, Budapest 5, Hungary

J. Therm. Stresses (USA) (vol.1, no.1 July 1978—)
Coden: JTSTDA ISSN 0149-5739
Journal of Thermal Stresses McGraw-Hill International Book Co., 1221 Avenue of the Americas, New York, NY 10020, USA

J. Time Ser. Anal. (GB) (vol.1, no.1 1980—)
Coden: JTSADL ISSN 0143-9782
Journal of Time Series Analysis Tieto Ltd., 4 Bellevue Mansions, Bellevue Road, Clevedon, Avon BS21 7NU, England

J. Tongji Univ.
See: J. Tung-Chi Univ. (China)

J. Tsing Hua Univ. (China) (no.1 1978—)
Coden: CHHPAH
Journal of Tsing Hua University Title changed to: J. Qing Hua Univ. (China)

J. Tsinghua Univ. (China) (vol.22, no.1 1982—)
Coden: CHHPAH ISSN 0577-9189
Journal of Tsinghua University Formerly: J. Qing Hua Univ. (China)
Subscription address: Guozi Shudian, P.O.Box 399, Beijing, People's Republic of China

J. Tung-Chi Univ. (China) (no.1 1981—)
Coden: TTHPDJ ISSN 0253-374X
Journal of Tung-Chi University Subscription address: Guozi Shudian, P.O.Box 399, Beijing, People's Republic of China

J. Univ. Kuwait (Sci.) (vol.1 1974—)
Coden: JUKSD8 ISSN 0376-4818
Journal of the University of Kuwait (Science) Faculty of Science, Kuwait

J. Urban Anal. (GB) (vol.1, no.1 Oct. 1972—)
Coden: JURAAK ISSN 0091-1909
Journal of Urban Analysis Gordon & Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England

J. Vac. Sci. & Technol. (USA) (1968—)
Coden: JVSTAL ISSN 0022-5355
Journal of Vacuum Science and Technology Journal split into two parts: J. Vac. Sci. & Technol. A (USA) and J. Vac. Sci. & Technol. B (USA)

†**J. Vac. Sci. & Technol. A (USA)** (vol.1, no.1 Jan.-March 1983—)
Coden: JVTAD6 ISSN 0734-2101
Journal of Vacuum Science & Technology A (Vacuum, Surfaces, and Films) Published for the American Vacuum Society by the American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA. Supersedes in part: J. Vac. Sci. & Technol. (USA)

†**J. Vac. Sci. & Technol. B (USA)** (vol.1, no.1 Jan.-March 1983—)
Coden: JVTBD9 ISSN 0734-211X
Journal of Vacuum Science & Technology B (Microelectronics Processing and Phenomena) Published for the American Vacuum Society by the American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA. Supersedes in part: J. Vac. Sci. & Technol. (USA)

J. Vac. Soc. Jpn. (Japan) (vol.15, no.1 1972—)
Coden: SHINAM ISSN 0559-8516
Journal of the Vacuum Society of Japan Kikai Shinko Building, 5-8 Shibakoen, 3 - chome, Minato-ku, Tokyo, Japan

†**J. VLSI & Comput. Syst. (USA)** (vol.1, no.1 Spring 1983—)
ISSN 0733-5644
Journal of VLSI and Computer Systems Formerly: J. Digital Syst. (USA)
Computer Science Press Inc., 11 Taft Court, Rockville, MD 20850, USA

J. Water Pollut. Control Fed. (USA) (vol.44, no.1 Jan. 1972—)
Coden: JWPFA5 ISSN 0043-1303
Journal Water Pollution Control Federation Water Pollution Control Federation, 2626 Pennsylvania Avenue, N.W., Washington, DC 20037, USA

J. Wind Eng. & Ind. Aerodyn. (Netherlands) (vol.6, no.1l-2 July 1980—)
Coden: JWEAD6 ISSN 0304-3908
Journal of Wind Engineering and Industrial Aerodynamics Formerly: J. Ind. Aerodyn. (Netherlands)
Elsevier Scientific Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

J. X-Ray Technol. (GB) (Spring 1971—)
Coden: JXRTAU ISSN 0374-3497
Journal of X-Ray Technology Society of X-Ray Technology, c/o Mr. G.E.H. Deadman, "Arvalee", Stanley Road, Marden, Kent TN12 9EL, England

Jad. Energ. (Czechoslovakia) (vol.15, no.2 1969—)
Coden: JADEAQ ISSN 0448-116X
Jaderna Energie SNTL, 11302 Praha 1, Spalena ul. 51, Czechoslovakia

JAEU (Japan) (vol.4, no.3 1971—)
Coden: JAEUAB
JAEU (Journal of Asia Electronics Union) Title changed to: AEU (Japan)

JEE (Japan) (1968—)
Coden: JELEBR
JEE (Japan Electronic Engineering) Title changed to: JEE (Japan)

JEE (Japan) (vol.16, no.156 Dec. 1979—)
Coden: JEENDL ISSN 0385-4507
JEE (Journal of Electronic Engineering) Formerly: JEE (Japan)
Dempa Publications Inc., 11-15 Higashi Gotanda, 1-chome, Shinagawaku, Tokyo 141, Japan

JEI-J. Electron. Ind. (Japan) (vol.29, no.4 April 1982—)
Coden: JJEID7 ISSN 0385-4515
JEI-Journal of the Electronics Industry Formerly: JEI-Jpn. Electron. Ind. (Japan)
Dempa Publications Inc., 11-15, Higashi Gotanda 1-chome, Shinagawa-ku, Tokyo 141, Japan

JEI-Jpn. Electron. Ind. (Japan) (vol.18, no.11 Nov. 1971—)
Coden: JELIB5
JEI- Japan Electronic Industry Title changed to: JEI-J. Electron. Ind. (Japan)

JEMIC Tech. Rep. (Japan) (1983—)
Coden: DKGIDQ ISSN 0385-3047
JEMIC Technical Report Japan Electric Meters Inspection Corp., 1-5-6 Shibaura, Minato-ku, Tokyo 105, Japan

Jemna Mech. & Opt. (Czechoslovakia) (no.9 1968—)
Coden: JMKOA5 ISSN 0447-6441
Jemna Mechanika a Optika SNTL, 11302 Praha 1, Spalena ul. 51, Czechoslovakia

Jena Friedrich-Schiller-Univ. Wiss. Z., Math. Naturwiss. Reihe
See: Wiss. Z. Friedrich-Schiller-Univ. Jena, Math. Naturwiss. Reihe (Germany)

Jena Rev. (Germany) (1968—)
Coden: JNRVAY ISSN 0448-9497
Jena Review VEB Verlag Technik, Oranienburger Strasse 13/14, 102 Berlin, Germany

†**JETP Lett. (USA)** (1968—)
Coden: JTPLA2 ISSN 0021-3640
JETP Letters [Translation of: *Pis'ma v Zh. Eksp. & Teor. Fiz. (USSR)*] American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

Johns Hopkins APL Tech. Dig. (USA) (vol.1, no.1 Jan.-March 1980—)
Coden: JHADDQ ISSN 0270-5214
Johns Hopkins APL Technical Digest Formerly: APL Tech. Dig. (USA)
Johns Hopkins University, Applied Physics Laboratory, Johns Hopkins Road, Laurel, MD 20707, USA

Joho Shori
See: Inf. Process. Soc. Jpn. (Joho Shori) (Japan)

Jpn. Acad. Proc. Ser. A
See: Proc. Jpn. Acad. Ser. A (Japan)

Jpn. Acad. Proc. Ser. B
See: Proc. Jpn. Acad. Ser. B (Japan)

Jpn. Assoc. Philos. Sci. J.
See: J. Jpn. Assoc. Philos. Sci. (Japan)

Jpn. Electr. Meters Insp. Corp. Tech. Rep.
See: JEMIC Tech. Rep. (Japan)

Jpn. Inst. Met. J.
See: J. Jpn. Inst. Met. (Japan)

Jpn. Inst. Met. Trans.
See: Trans. Jpn. Inst. Met. (Japan)

Jpn. Inst. Navig. J.
See: J. Jpn. Inst. Navig. (Japan)

Jpn. J. Appl. Phys. (Japan) (1968—)
Coden: JJAPA5 ISSN 0021-4922
Japanese Journal of Applied Physics Journal split into two parts: Jpn. J. Appl. Phys. Part 1 (Japan) and Jpn. J. Appl. Phys. Part 2 (Japan)

†**Jpn. J. Appl. Phys. Part 1 (Japan)** (vol.21, no.1 Jan. 1982—)
Coden: JAPNDE ISSN 0021-4922
Japanese Journal of Applied Physics, Part 1 (Regular Papers & Short Notes) Publication Office, Daini Toyokaiji Building, 24-8, Shinbashi 4-chome, Minato-ku, Tokyo 105, Japan. Supersedes in part: Jpn. J. Appl. Phys. (Japan)

†**Jpn. J. Appl. Phys. Part 2 (Japan)** (vol.21, no.1 Jan. 1982—)
Coden: JAPLD8 ISSN 0021-4922
Japanese Journal of Applied Physics, Part 2 (Letters) Publication Office, Daini Toyokaiji Building, 24-8, Shinbashi 4-chome, Minato-ku, Tokyo 105, Japan. Supersedes in part: Jpn. J. Appl. Phys. (Japan)

†**Jpn. J. Appl. Phys. Suppl. (Japan)** (vol.21, no.21-1 1982—)
Coden: JJPYA5 ISSN 0021-4922
Japanese Journal of Applied Physics, Supplement Publication Office, Daini Toyokaiji Building, 24-8, Shinbashi 4-chome, Minato-ku, Tokyo 105, Japan

Jpn. J. Med. Electron. & Biol. Eng. (Japan) (vol.9, no.2 April 1971—)
Coden: IYSEAK ISSN 0021-3292
Japanese Journal of Medical Electronics and Biological Engineering Japan Society of Medical Electronics and Biological Engineering, Kikaishinko Building, 3-5-8 Shiba-Park, Minato-ku, Tokyo 105, Japan

Jpn. Railw. Eng. (Japan) (vol.19, no.3 1979—)
Coden: JAREBT ISSN 0448-8938
Japanese Railway Engineering Japan Railway Engineers' Association, 5-18 Otemachi 2-chome, Chiyoda-ku, Tokyo 100, Japan

Jpn. Soc. Aeronaut. & Space Sci. J.
See: J. Jpn. Soc. Aeronaut. & Space Sci. (Japan)

Jpn. Soc. Aeronaut. & Space Sci. Trans.
See: Trans. Jpn. Soc. Aeronaut. & Space Sci. (Japan)

Jpn. Soc. Mech. Eng. Bull.
See: Bull. JSME (Japan)

Jpn. Soc. Precis. Eng. Bull.
See: Bull. Jpn. Soc. Precis. Eng. (Japan)

Jpn. Soc. Precis. Eng. J.
See: J. Jpn. Soc. Precis. Eng. (Japan)

Jpn. Soc. Simulation Technol. J.
See: J. Jpn. Soc. Simulation Technol. (Japan)

†**Jpn. Telecommun. Rev. (Japan)** (1968—)
Coden: JTCRAN ISSN 0021-4744
Japan Telecommunications Review Nippon Telegraph & Telephone Public Corp., 1-6 Uchisaiwai-cho, 1-chome, Chiyoda-ku, Tokyo 100, Japan

JSME Bull.
See: Bull. JSME (Japan)

Jurimetrics J. (USA) (vol.13, no.1 Fall 1972—)
Coden: JURJAD ISSN 0022-6793
Jurimetrics Journal Section of Sciences & Technology, American Bar Association, 1155 East 60th Street, Chicago, IL 60637, USA

K. Dan. Vidensk. Selsk. Mat.-Fys. Medd. (Denmark) (1968—)
Coden: KDVSAK
Kongelige Danske Videnskabernes Selskab, Matematisk-fysiske Meddelelser Title changed to: Mat.-Fys. Medd. Dan. Vidensk. Selsk. (Denmark)

K. Ned. Akad. Wet. Proc. Ser. B
See: Proc. K. Ned. Akad. Wet. Ser. B (Netherlands)

K. Nor. Vidensk. Selsk. Foerhandl. (Norway) (1968—)
Coden: KNSFA2 ISSN 0368-6302
Kongelige Norske Videnskabers Selskabs Forhandlinger Publisher: F.Bruns Bokhandel, Trondheim, Norway

K. Nor. Vidensk. Selsk. Skr. (Norway) (1968—)
Coden: KNSSA7 ISSN 0368-6310
Kongelige Norske Videnskabers Selskabs Skrifter Publisher: F.Bruns Bokhandel, Trondheim, Norway

Kabel-Cables (Switzerland) (no.1 1974—)
Coden: KACAAK ISSN 0254-220X
Kabel-Cables Kabelwerke Brugg AG, 5200 Brugg, Switzerland

Kagaku Kisoron Kenkyu
See: J. Jpn. Assoc. Philos. Sci. (Japan)

Kanazawa Daigaku Kogakubu Kiyo
See: Mem. Fac. Technol. Kanazawa Univ. (Japan)
Kanazawa Univ. Fac. Technol. Mem.
See: Mem. Fac. Technol. Kanazawa Univ. (Japan)
Kanazawa Univ. Sci. Rep.
See: Sci. Rep. Kanazawa Univ. (Japan)
Kansai Univ. Technol. Rep.
See: Technol. Rep. Kansai Univ. (Japan)
Karl-Marx-Stadt Tech. Hochsch. Wiss. Z.
See: Wiss. Z. Tech. Hochsch. Karl-Marx-Stadt (Germany)
Karl-Marx-Univ. Leipzig Wiss. Z. Math.-Naturwiss. Reihe
See: Wiss. Z. Karl-Marx-Univ. Leipzig Math.-Naturwiss. Reihe (Germany)
KDD Tech. J. (Japan) (no.65 July 1970—)
Coden: KTNKAY ISSN 0452-3431
KDD Technical Journal International Communications Research Institute, Tokyo, Japan
Keisoku Jido Seigyo Gakkai Ronbunshu
See: Trans. Soc. Instrum. & Control Eng. (Japan)
Keisoku To Seigyo
See: J. Soc. Instrum. & Control Eng. (Japan)
Kenshin Jiho
See: Q. J. Seismol. (Japan)
Kent Rev. (GB) (no.5 June 1981—)
Coden: KREVDB ISSN 0143-8697
Kent Review Formerly: Kent Tech. Rev. (GB)
Brown Boveri Kent Ltd., Biscot Road, Luton, Beds. LU3 1AL, England
Kent Tech. Rev. (GB) (no.5 Dec. 1971—)
Coden: KTTRAH ISSN 0374-3659
Kent Technical Review Title changed to: Kent Rev. (GB)
Kep- & Hangtech. (Hungary) (vol.25, no.6 Dec. 1979—)
Coden: KEHTAS ISSN 0023-0480
Kep- es Hangtechnika Lapkiado Vallalat, Budapest VII, Lenin korut 9-11, Hungary
Kexue Tongbao (Foreign Lang. Ed.) (China) (vol.25, no.1-2 Jan. 1980—)
Coden: KHTPBU ISSN 0250-7862
Kexue Tongbao (Foreign Language Edition) Science Press, Beijing, People's Republic of China
Kibern. & Vychisl. Tekh. (USSR) (no.13 1972—)
Coden: KVYTAS ISSN 0454-9910
Kibernetika i Vychislitel'naya Tekhnika Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR
Kibernetika (USSR) (1968—)
Coden: KBRNA5 ISSN 0023-1274
Kibernetika Agent: Mezhdumarodnaya Kniga, Moskva, USSR [English translation in: *Cybernetics (USA)*]
Kikai Gyutsu Kenkyusho Shoho
See: J. Mech. Eng. Lab. (Japan)
Kilobaud Microcomput. (USA) (Nov. 1979—)
Kilobaud Microcomputing Title changed to: Microcomputing (USA)
KINAM Rev. Fis. (Mexico) (vol.4, no.4 1982—)
Coden: KINADW ISSN 0185-125X
KINAM Revista de Fisica Apartado Postal 20-254, Administracion 20, 01000 Mexico DF, Mexico
Kiso Inf. Bull.
See: Tokyo Astron. Obs. Kiso Inf. Bull. (Japan)
Kniznice & Ved. Inf. (Czechoslovakia) (no.1 1971—)
Coden: KVIFA8 ISSN 0322-807X
Kniznice a Vedecke Informacie Matica Slovenska, 036 52 Martin, Mundronova 35, Czechoslovakia
Kobe Univ. Fac. Eng. Mem.
See: Mem. Fac. Eng. Kobe Univ. (Japan)
Koezl. Magy. Tud. Akad. Musz. Fiz. Kut. Intez. (Hungary) (no.0-3 1971—)
Coden: MTIKAV
Kozlemenyei Magyar Tudomanyos Akademia Muszaki Fizikai Kutato Intezetenek Hungarian Academy of Sciences, Research Institute for Technical Physics, Budapest, Ujpest 1, P.O. Box 76, Hungary
Koezl. Magy. Tud. Akad. Szamitastech. & Autom. Kut. Intez. (Hungary) (no.25 1982—)
Coden: KMTIDC ISSN 0133-7459
Kozlemenyek Magyar Tudomanyos Akademia Szamitastechnikai es Automatizalasi Kutato Intezete 1502 Budapest, Kende u. 13-17, Pf. 63, Hungary
Koezlekedes Tud. Sz. (Hungary) (vol.23, no.7 July 1973—)
Coden: KOSZAZ ISSN 0023-4362
Kozlekedes Tudomanyi Szemle Lapkiado Vallalat, 1073 Budapest, Lenin-Korut 9-11, Hungary
Kogaku To Gijutsu
See: Eng. & Technol. (Japan)
Kogaku to Gijutsu (Japan) (vol.4, no.3 1971—)
Coden: KTGIAR
Kogaku to Gijutsu Title changed to: Eng. & Technol. (Japan)
Kogakuin Daigaku Kenkyu Hokoku
See: Res. Rep. Kogakuin Univ. (Japan)
Kogakuin Univ. Res. Rep.
See: Res. Rep. Kogakuin Univ. (Japan)
Kokusai Tsushin No Kenkyo
See: KDD Tech. J. (Japan)
Kolloidn. Zh. (USSR) (vol.34, no.1 Jan.-Feb. 1972—)
Coden: KOZHAG ISSN 0023-2912
Kolloidnyi Zhurnal Editorial address: Institute of Physical Chemistry, Academy of Sciences of the USSR, Moscow, USSR [English translation in: *Colloid J. USSR (USA)*]
Koncar Strucne Inf. (Yugoslavia) (no.1 1977—)
Coden: KONCDC ISSN 0350-5537
Koncar Strucne Informacije Formerly: Inf. Rade Koncar (Yugoslavia)
Produzece 'Rade Koncar', Post Pret, 304 Fallervo Set, 22 Zagreb, Yugoslavia
Korea Inf. Sci. Soc. J.
See: J. Korea Inf. Sci. Soc.
Korea Inst. Electron. Eng. J.
See: J. Korea Inst. Electron. Eng.
Korean Inst. Electr. Eng. J.
See: J. Korean Inst. Electr. Eng.
Korean Inst. Electr. Eng. Trans.
See: Trans. Korean Inst. Electr. Eng.
Korean Inst. Met. J.
See: J. Korean Inst. Met.
Korean Nucl. Soc. J.
See: J. Korean Nucl. Soc.
Korean Phys. Soc. J.
See: J. Korean Phys. Soc.
Kosm. Issled. (USSR) (1968—)
Coden: KOISAW ISSN 0023-4206
Kosmicheske Issledovaniya Izdatel'stvo 'Nauka', 103717 Moskva, Podsosenskii 21, USSR [English translation in: *Cosmic Res. (USA)*]
Kotai Butsuri
See: Solid State Phys. (Japan)
Kovove Mater. (Czechoslovakia) (vol.11, no.1 1973—)
Coden: KOMAAW ISSN 0023-432X
Kovove Materialy Vydavatel'stvo Slovenskej Akademie Vied, Bratislava, Klemensova 19, Czechoslovakia
Krist. & Tech. (Germany) (vol.3, no.4 1968—)
Coden: KRTEAW
Kristall und Technik Title changed to: Cryst. Res. & Technol. (Germany)
Kristallografiya (USSR) (1968—)
Coden: KRISAJ ISSN 0023-4761
Kristallografiya Akademiya Nauk SSSR, Leninskii Prosp.14, Moskva, USSR [English translation in: *Sov. Phys.-Crystallogr. (USA)*]
Kumamoto J. Sci. (Math.) (Japan) (1968—)
Coden: KJSAAR ISSN 0385-6763
Kumamoto Journal of Science (Mathematics) Faculty of Science, Kumamoto University, Kumamoto, Japan
Kumamoto Univ. Fac. Eng. Mem.
See: Mem. Fac. Eng. Kumamoto Univ. (Japan)
Kunstst.-Berat. (Germany) (vol.13, no.12 Dec. 1968—)
Coden: KUBEAV ISSN 0172-6374
Kunststoff-Berater Umschau Verlag, 6000 Frankfurt am Main, Stuttgarter Strasse 18-24, Germany
Kuwait Univ. J.
See: J. Univ. Kuwait (Sci.)
Kvantovaya Elektron., Kiev (USSR) (no.6 1972—)
Coden: KVELA6 ISSN 0368-7155
Kvantovaya Elektronika Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR
Kvantovaya Elektron., Moskva (USSR) (no.1 1971—)
Coden: KVEKA3
Kvantovaya Elektronika Sovetskoe Radio, Moskva, Glavpochtamt, p/ya 693, USSR [English translation in: *Sov. J. Quantum Electron. (USA)*]
Kybernetes (GB) (vol.1, no.1 Jan. 1972—)
Coden: KBNTA3 ISSN 0368-492X
Kybernetes Thales Publications (W.O.) Ltd., 4 Pleck Farm Avenue, Blackburn BB1 8PE, England
Kybernetik (Germany) (1968—)
Coden: KYBEAP
Kybernetik Title changed to: Biol. Cybern. (Germany)
Kybernetika (Czechoslovakia) (vol.4, no.3 1968—)
Coden: KYBNAI ISSN 0023-5954
Kybernetika PNS-vyvos Tisku, Nove Mesto, Jindrisska 14, 12505 Praha 1, Czechoslovakia
Kyoto Daigaku Genshi Enerugi Kenkyusho Iho
See: Bull. Inst. At. Energy Kyoto Univ. (Japan)
Kyoto Tech. Univ. Fac. Ind. Arts Mem. Sci. & Technol.
See: Mem. Fac. Ind. Arts Kyoto Tech. Univ. Sci. & Technol. (Japan)
Kyoto Univ. Fac. Eng. Mem.
See: Mem. Fac. Eng. Kyoto Univ. (Japan)
Kyoto Univ. Fac. Sci. Mem. Ser. Phys. Astophys. Geophys. Chem.
See: Mem. Fac. Sci. Kyoto Univ. Ser. Phys. Astrophys. Geophys. Chem. (Japan)
Kyoto Univ. Inst. At. Energy Bull.
See: Bull. Inst. At. Energy Kyoto Univ. (Japan)
Kyoto Univ. Inst. At. Energy Tech. Rep.
See: Tech. Rep. Inst. At. Energy Kyoto Univ. (Japan)
Kyoto Univ. Inst. Chem. Res. Bull.
See: Bull. Inst. Chem. Res. Kyoto Univ. (Japan)
Kyoto Univ. Res. React. Inst. Annu. Rep.
See: Annu. Rep. Res. React. Inst. Kyoto Univ. (Japan)
Kyushu Daigaku Kogaku Shuho
See: Technol. Rep. Kyushu Univ. (Japan)
Kyushu Daigaku Seisan Kagaku Kenkyusho Hokoku
See: Rep. Res. Inst. Ind. Sci. Kyushu Univ. (Japan)
Kyushu Inst. Technol. Bull. (Sci. & Technol.)
See: Bull. Kyushu Inst. Technol. (Sci. & Technol.) (Japan)
Kyushu Inst. Technol. Bull. Math. Nat. Sci.
See: Bull. Kyushu Inst. Technol. Math. Nat. Sci. (Japan)
Kyushu Inst. Technol. Eng. Mem.
See: Mem. Kyushu Inst. Technol. Eng. (Japan)
Kyushu Univ. Fac. Eng. Mem.
See: Mem. Fac. Eng. Kyushu Univ. (Japan)
Kyushu Univ. Fac. Sci. Mem. Ser. B
See: Mem. Fac. Sci. Kyushu Univ. Ser. B (Japan)
Kyushu Univ. Fac. Sci. Mem. Ser. C
See: Mem. Fac. Sci. Kyushu Univ. Ser. C (Japan)
Kyushu Univ. Res. Inst. Appl. Mech. Rep.
See: Rep. Res. Inst. Appl. Mech. (Japan)
Kyushu Univ. Res. Inst. Ind. Sci. Rep.
See: Rep. Res. Inst. Ind. Sci. Kyushu Univ. (Japan)
Kyushu Univ. Technol. Rep.
See: Technol. Rep. Kyushu Univ. (Japan)

Lab. Equip. Dig. (GB) (vol.7, no.12 Dec. 1969—)
Coden: LEQDA2 ISSN 0023-6829
Laboratory Equipment Digest Morgan-Grampian Ltd., 30 Calderwood Street, Woolwich, London SE18 6QH, England
Lab. Microcomput. (GB) (vol.1, no.1 Spring 1982—)
Coden: LMICDI ISSN 0262-2955
Laboratory Microcomputer Science and Technology Letters, 12 Clarence Road, Kew, Surrey, England
Lab. Pract. (GB) (1968—)
Coden: LABPA3 ISSN 0023-6853
Laboratory Practice United Trade Press Ltd., 33/35 Bowling Green Lane, London EC1R ODA, England

Landis & Gyr Rev. (Switzerland) (no.2 1973—)
Coden: LGRVA7 ISSN 0304-5803
Landis & Gyr Review 6301 Zug, Switzerland

Lang. & Commun. (GB) (vol.1, no.1 1981—)
Coden: LACOD8 ISSN 0271-5309
Language & Communication Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Large Scale Syst.-Theory & Appl. (Netherlands) (vol.1, no.1 Feb. 1980—)
Coden: LSSAD2 ISSN 0167-420X
Large Scale Systems - Theory and Applications North-Holland Publishing Co., P.O.Box 211, 1000 AE Amsterdam, Netherlands

Laser & Angew. Strahlentech. (Switzerland) (vol.3, no.1 March 1971—)
Coden: LSATAY
Laser und Angewandte Strahlentechnik Title changed to: Laser & Elektro-Opt. (Germany)

Laser & Elektro-Opt. (Germany) (vol.6, no.1 March 1974—)
Coden: LELOAA
Laser und Elektro-Optik Formerly: Laser & Angew. Strahlentech. (Switzerland) Title changed to: Laser & Optoelektron. (Germany)

Laser & Optoelektron. (Germany) (vol.14, no.1 April 1982—)
Coden: LAOPD3 ISSN 0344-5186
Laser und Optoelektronik Formerly: Laser & Elektro-Opt. (Germany)
AT-Fachverlag GmbH, Postfach 50 01 80, 7000 Stuttgart 50, Germany

Laser & Part. Beams (GB) (vol.1, pt.1 Feb. 1983—)
Coden: LPBEDA ISSN 0263-0346
Laser and Particle Beams Cambridge University Press, The Edinburgh Building, Shaftesbury Road, Cambridge CB2 2RU, England

Laser Focus (USA) (vol.4, no.19 Oct. 1968—)
Coden: LAFOAK ISSN 0275-1399
Laser Focus Merged with Electro-Opt. (USA) to form Laser Focus/Electro-Opt. (USA)

Laser Focus/Electro-Opt. (USA) (vol.19, no.10 Oct. 1983—)
ISSN 0740-2511
Laser Focus/Electro-Optics PennWell Publishing Co., Advanced Technology Group, 119 Russell Street, Littleton, MA 01460, USA. Formed by merger of Laser Focus (USA) and Electro-Opt. (USA)

Laser J. (China) (vol.8, no.2 Feb. 1981—)
Coden: CHIKDA ISSN 0023-8597
Laser Journal Title changed to: Chin. J. Lasers (China)

LASIE (Australia) (vol.9, no.4 Jan.-Feb. 1979—)
Coden: IBLEAS ISSN 0047-3774
LASIE (Information Bulletin of the Library Automated Systems Information Exchange) Formerly: Inf. Bull. Libr. Autom. Syst. Inf. Exch. (Australia) Title changed to: LASIE (Australia)

LASIE (Australia) (vol.11, no.1 July-Aug. 1980—)
Coden: IBLEAS ISSN 0047-3774
LASIE (Bulletin of LASIE Australia Company Limited) Formerly: LASIE (Australia)
Mr. Arne L. Pedersen, P.O.Box 602, Lane Cove, NSW 2066, Australia

Latv. PSR Zinat. Akad. Vestis (USSR) (1968—)
Coden: LZAVAL ISSN 0132-6422
Latvijas PSR Zinatnu Akademijas Vestis Fundamental Library, Academy of Sciences, 4 Komunala Street, Riga, USSR

Latv. PSR Zinat. Akad. Vestis Fiz. Teh. Zinat. Ser. (USSR) (1968—)
Coden: LZFTA6 ISSN 0321-1673
Latvijas PSR Zinatnu Akademijas Vestis, Fizikas un Tehnisko Zinatnu Serija Fundamental Library, Academy of Sciences, 4 Komunala Street, Riga, USSR

Law & Comput. Technol. (USA) (vol.4, no.3 May-June 1971—)
Coden: LACTAK
Law and Computer Technology Title changed to: Law/Technol. (USA)

Law/Technol. (USA) (vol.13, no.3 1980—)
Coden: LATEDT ISSN 0278-3916
Law/Technology Formerly: Law & Comput. Technol. (USA)
World Association of Lawyers of the World Peace Through Law Center, Section on Law/Technology, Suite 800, 1000 Connecticut Avenue, N.W., Washington, DC 20036, USA

Leeds Philos. & Lit. Soc. Proc.
See: Proc. Leeds Philos. & Lit. Soc. (GB)

Leg. Ref. Serv. Q. (USA) (vol.2, no.2 Summer 1982—)
Coden: LRSQD9 ISSN 0270-319X
Legal Reference Services Quarterly Haworth Press Inc., 28 East 22 Street, New York, NY 10010, USA

Leipzig Karl-Marx-Univ. Wiss. Z. Math.-Naturwiss. Reihe
See: Wiss. Z. Karl-Marx-Univ. Leipzig Math.-Naturwiss. Reihe (Germany)

Leitz Sci. & Tech. Inf. (Germany) (vol.7, no.5 April 1979—)
Coden: LSTEDJ
Leitz Scientific and Technical Information Ernst Leitz Wetzler GmbH, Postfach 2020, D-6330 Wetzlar, Germany

Leningr. Univ. Vestn. Fiz. & Khim.
See: Vestn. Leningr. Univ. Fiz. & Khim. (USSR)

Leningr. Univ. Vestn. Ser. Mat. Mekh. & Astron.
See: Vestn. Leningr. Univ. Ser. Mat. Mekh. & Astron. (USSR)

Lett. Appl. & Eng. Sci. (GB) (vol.4, no.1 Feb. 1976—)
Coden: LAESBS
Letters in Applied & Engineering Sciences Merged with Int. J. Eng. Sci. (GB)

Lett. Heat & Mass Transfer (GB) (vol.1, no.1 July-Aug. 1974—)
Coden: LHMTBI ISSN 0094-4548
Letters in Heat and Mass Transfer Title changed to: Int. Commun. Heat & Mass Transfer (GB)

Lett. Math. Phys. (Netherlands) (vol.1, no.1 Dec. 1975—)
Coden: LMPHDY ISSN 0377-9017
Letters in Mathematical Physics D. Reidel Publishing Co., P.O. Box 17, 3300 AH Dordrecht, Netherlands

†Lett. Nuovo Cimento (Italy) (vol.1, no.1 Jan. 1969—)
Coden: LNUCAE ISSN 0024-1318
Lettere el Nuovo Cimento Editrice Compositore s.r.l., Viale XII Giugno 1, 40124 Bologna, Italy

LEW-Nachr. (Germany) (no.3—)
Coden: LEWNAS
LEW-Nachrichten Kombinat VEB LEW 'Hans Beimler', 1422 Hennigsdorf, Germany

Libr. & Inf. Sci. (Japan) (no.10 1972—)
Coden: LIFSBL ISSN 0373-4447
Library and Information Science Mita Society of Library and Information Science, c/o School of Library and Information Science, Keio University, Mita, Minato-ku, Tokyo 108, Japan

Libr. Acquis. Pract. & Theory (GB) (vol.6, no.1 1982—)
Coden: LAPTDK ISSN 0364-6408
Library Acquisitions: Practice and Theory Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW, England

Libr. Comput. Equip. Rev. (USA) (vol.2, no.1 Jan.-June 1980—)
Coden: LCERD7 ISSN 0191-1295
Library Computer Equipment Review Title changed to: Comput. Equip. Rev. (USA)

Libr. Q. (USA) (vol.42, no.1 Jan. 1972—)
Coden: LIBQAS ISSN 0024-2519
Library Quarterly University of Chicago Press, 11030 S. Langley Avenue, Chicago, IL 60628, USA

Libr. Resour. & Tech. Serv. (USA) (vol.16, no.1 Winter 1972—)
Coden: LRTSAH ISSN 0024-2527
Library Resources & Technical Services American Library Association, Resources and Technical Service Division, 1201-05 Bluff Street, Fulton, MO 65251, USA

Libr. Retr. & Libr. Autom. (USA) (vol.19, no.3 Aug. 1983—)
Coden: IRLAAQ ISSN 0020-0220
Library Retrieval & Library Automation Lomond Publications Inc., P.O.Box 88, Mt. Airy, MD 21771, USA

Libr. Trends (USA) (vol.29, no.4 Spring 1981—)
Coden: LIBTA3 ISSN 0024-2594
Library Trends University of Illinois Graduate School of Library and Information Science, 249 Armory Building, 505 East Armory Street, Champaign, IL 61820, USA

Licht (Germany) (vol.31, no.1 1979—)
Coden: LCHTAP ISSN 0024-2861
Licht Formerly: Lichttechnik (Germany)
Dr. Alfred Huthig Verlag, 6900 Heidelberg 1, Postfach 10 28 69, Germany

Lichtbogen (Germany) (vol.18, no.150 Feb. 1969—)
Coden: LIBOAM ISSN 0024-2845
Der Lichtbogen Chemische Werke Huls AG, 4370 Marl, Kreis Recklinghausen, Germany

Lichttechnik (Germany) (1968—)
Coden: LITKAW
Lichttechnik Title changed to: Licht (Germany)

Liet. TSR Mokslu Akad. Darbai B Ser.(USSR) (no.3 1969—)
Coden: LMDBAL ISSN 0132-2729
Lietuvos TSR Mokslu Akademijos Darbai, B Serija Vilnius, Lenino pr. 3, USSR

Light & Light. & Environ. Des. (GB) (vol.71, no.1 Jan.-Feb. 1978—)
Coden: LLEDDS
Light and Lighting and Environmental Design Formerly: Light & Light. (GB). Merged with Build Serv. Eng. (GB) to form J. Chart. Inst. Build. Serv. (GB)

Light & Light. (GB) (1968—)
Coden: LILIAK
Light and Lighting Title changed to: Light & Light. & Environ. Des. (GB)

Light. Aust. (Australia) (vol.1, no.1 Aug. 1981—)
Coden: LIAUD4 ISSN 0728-3415
Lighting in Australia Formerly: IES Light. Rev. (Australia)
Rala Publications, Suite 503, 84 Pitt Street, Sydney, NSW 2000, Australia

Light. Equip. News (GB) (vol.3, no.5 May 1969—)
Coden: LIENAY ISSN 0024-3418
Lighting Equipment News Troup Publications, Maclean Hunter Ltd., 30 Old Burlington Street, London, W1X 2AE, England

Light. Res. & Technol. (GB) (vol.1, no.2 1969—)
Coden: LRTEA9 ISSN 0024-3426
Lighting Research and Technology Lighting Division, Chartered Institution of Building Services, 49 Cadogan Square, London SW1X 0JB, England

Linde Rep. Sci. & Technol. (Germany) (no.20 1974—)
Coden: LRSTAF ISSN 0024-3736
Linde Reports on Science and Technology Linde Aktiengesellschaft, Abraham Lincoln-Strasse 21, D-6200 Wiesbaden, Germany

Linear Algebra & Appl. (USA) (1968—)
Coden: LAAPAW ISSN 0024-3795
Linear Algebra and its Applications Elsevier North-Holland Inc., 52 Vanderbilt Avenue, New York, NY 10017, USA

Litov. Fiz. Sb. (USSR) (1968—)
Coden: LFRMA7 ISSN 0024-2969
Litovskii Fizicheskii Sbornik Lietvos TSR Mokslu Akademijos Centrine Biblioteka, Pozelos G-VE 54, 232600 Vilnius, USSR [English translation in: *Sov. Phys.-Collect. (USA)*]

Ljuskultur (Sweden) (1968—)
Coden: LJUSAY ISSN 0024-5429
Ljuskultur Publication address: Skeppargatan 27, Box 5512, 11485 Stockholm, Sweden

LKB News Sci. Tools (Sweden) (Autumn 1983—)
LKB News with Science Tools LKB Produckter Fabriksaktiebolag, P.O.Box 76, Stockholm-Bromma, Sweden

Lloyds Bank Rev. (GB) (no.148 April 1983—)
Coden: LLBRAI ISSN 0024-547X
Lloyds Bank Review 71 Lombard Street, London EC3P 3BS, England

LMG Rep. Data & Word Process. Libr. (Canada) (vol.2, no.4 Nov. 1981—)
Coden: LRDLDL ISSN 0227-2636
LMG Report on Data and Word Processing for Libraries Library Management Group Inc., Box 251, New Westminster, B.C. V3L 4X6, Canada

Logist. & Transp. Rev. (Canada) (vol.8, no.1 1972—)
Coden: LGTRA5 ISSN 0047-4991
Logistics and Transportation Review Faculty of Commerce, University of British Columbia Vancouver V6T 1W5, Canada

Low Temp. Sci. Ser. A (Japan) (1970—)
Coden: TEKAAH ISSN 0439-3538
Low Temperature Science Series A, Physical Sciences Institute of Low Temperature Science, Hokkaido University, Sapporo, Japan

Lucas Eng. Rev. (GB) (1968—)
Coden: LEGRAS ISSN 0024-7170
Lucas Engineering Review Joseph Lucas Ltd., Great King Street, Birmingham B19 2XF, England

† indicates a journal abstracted completely

Lucr. ICPE (Rumania) (no.19 1968—)
Coden: LICPAU ISSN 0250-3034
Lucrarile ICPE Institut de Cercetare si Projectare Pentru Industria Electrotehnica, Bd. T. Vladirnirescu No. 45-47, Raionul V.I. Lenin, Bucuresti, Rumania

Luft- & Kaeltetech. (Germany) (vol.7, no.2 April 1971—)
Coden: LUKAA7 ISSN 0024-7251
Luft- und Kaltetechnik VEB Verlag Technik, 102 Berlin, Oranienburger Strasse 13/14, Germany

M.A.N. Res. Eng. Manuf. (Germany) (no.1 1971—)
Coden: MANEB8 ISSN 0374-3802
M.A.N. Research Engineering Manufacturing Maschinenfabrik Augsburg-Nurnberg Aktiengesellschaft, D 89 Augsburg, Germany

Mach. & Prod. Eng. (GB) (1968—)
Coden: MPREAU ISSN 0024-919X
Machinery and Production Engineering Machpress Ltd., 1 Copers Cope Road, Beckenham, Kent BR3 1NB, England

Mach. & Tool. (GB) (vol.40, no.4 1969—)
Coden: MCTOAD ISSN 0024-922X
Machines and Tooling Merged with Russ. Eng. J. (GB) to form Sov. Eng. Res. (GB)

Mach. Des. (USA) (vol.49, no.23 6 Oct. 1977—)
Coden: MADEAP ISSN 0024-9114
Machine Design Penton/IPC Inc., Penton Plaza, Cleveland, OH 44114, USA

Mach. Lloyd Int. (GB) (vol.46 May 1974—)
Coden: MLINCK ISSN 0024-9203
Machinery Lloyd International Formerly: Mach. Lloyd Int. Rev. Eng. Equip. (GB)
Morgan Publications Ltd., 172-174 Kingston Road, Ewell, Surrey, England

Mach. Lloyd Int. Rev. Eng. Equip. (GB) (1968—)
Coden: MLEEA5
Machinery Lloyd International Review of Engineering Equipment Title changed to: Mach. Lloyd Int. (GB)

Macromol. Rev. (USA) (vol.13 1978—)
Coden: MCMRAL ISSN 0076-2083
Macromolecular Reviews Formerly: J. Polym. Sci. Macromol. Rev. (USA)
John Wiley & Son Inc., 605 Third Avenue, New York, NY 10016, USA

Mag. Bank Adm. (USA) (vol.58, no.12 Dec. 1982—)
ISSN 0024-9823
Magazine of Bank Administration Bank Administration Institute, 60 Gould Center, Rolling Meadows, IL 60008, USA

Mag. Concr. Res. (GB) (1968—)
Coden: MCORAV ISSN 0024-9831
Magazine of Concrete Research Cement & Concrete Association, Wexham Springs, Slough SL3 6PL, England

Magdeburg Otto von Guericke Tech. Hochsch. Wiss. Z.
See: Wiss. Z. Tech. Hochsch. Otto von Guericke Magdeburg (Germany)

Magn. Gidrodin. (USSR) (1968—)
Coden: MAGIAI ISSN 0025-0015
Magnitnaya Gidrodinamika Akademiya Nauk Latviiskoi SSR, 'Zinatne', ul Smilshu 1, Riga 47, USSR [English translation in: *Magnetohydrodynamics (USA)*]

Magn. Resonance Rev. (GB) (vol.1, no.4 Oct. 1972—)
Coden: MRSRBL ISSN 0097-7330
Magnetic Resonance Review Gordon & Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England

†Magnetohydrodynamics (USA) (vol.3, no.3 Fall 1967—)
Coden: MGHDAG ISSN 0024-998X
Magnetohydrodynamics [Translation of: *Magn. Gidrodin. (USSR)*] Consultants Bureau, 233 Spring Street, New York, NY 10013, USA

Magy. Fiz. Foly. (Hungary) (1968—)
Coden: MGFFAC ISSN 0025-0104
Magyar Fizikai Folyoirat Alkotmany Utca 21 sz., 1363 Budapest 5, Hungary

Magy. Geofiz. (Hungary) (vol.20, no.6 1979—)
Coden: MAGFA9 ISSN 0025-0120
Magyar Geofizika Lapkiado Vallalat, 1073 Budapest, Lenin korut 9-11, Hungary

Manage. & Inf. (Italy) (vol.19, no.1 Jan. 1980—)
Coden: MNGIDA ISSN 0391-6588
Management e Informatica Franco Angeli Editore, Viale Monza 106, 20127 Milano, Italy

Manage. Account. (USA) (Oct. 1983—)
ISSN 0025-1690
Management Accounting National Association of Accountants, 919 Third Avenue, New York, NY 10022, USA

Manage. Datamatics (Netherlands) (vol.4, no.1 Feb. 1975—)
Coden: MADADG
Management Datamatics Formerly: Manage. Inf. (Netherlands) Title changed to: Inf. & Manage. (Netherlands)

Manage. Focus (USA) (vol.30, no.5 Sept.-Oct. 1983—)
Management Focus Peat, Marwick, Mitchell & Co., 345 Park Avenue, New York, NY 10154, USA

Manage. Gov. (GB) (vol.37, no.1 Feb. 1982—)
Coden: MAGOD5 ISSN 0307-8558
Management in Government Formerly: Manage. Serv. Gov. (GB)
HMSO, P.O.Box 569, London SE1 9NH, England

Manage. Ind. (GB) (vol.1, no.3 May 1983—)
Coden: MAINED ISSN 0265-038X
Management in Industry Institution of Industrial Managers, Industrial Management House, 45 Cardiff Road, Luton, Beds. LU1 1RQ, England. Executive Journals Ltd., 182-184 Campden Hill Road, London W8 7TT

†Manage. Inf. (GB) (vol.2, no.1 Aug. 1981—)
Coden: MGINDK
Managing Information 55 Fleet Street, London EC4Y 1LQ, England

Manage. Inf. (Netherlands) (vol.1, no.1 Feb. 1972—)
Coden: MGIFAR
Management Informatics Formerly: IAG J. (Netherlands) Title changed to: Manage. Datamatics (Netherlands)

†Manage. Inf. Syst. Q. (USA) (vol.6, no.1 March 1982—)
Coden: MISQDP ISSN 0276-7783
Management Information Systems Quarterly Society for Management Information Systems, 111 East Wacker Drive, Chicago, IL 60601, USA

Manage. Rev. & Dig. (GB) (1983—)
ISSN 0307-3580
Management Review & Digest British Institute of Management Foundation, Management House, Parker Street, London WC2B 5PT, England

Manage. Rev. (GB) (10 Nov. 1983—)
Management Review Issued with: *Comput. Wkly. (GB)*

Manage. Sci. (USA) (vol.6, no.3 Nov. 1969—)
Coden: MSCIAM ISSN 0025-1909
Management Science Institute of Management Sciences, 146 Westminster Street, Providence, RI 02903, USA

Manage. Serv. (GB) (vol.20, no.1 Jan. 1976—)
Coden: MASEDZ ISSN 0307-6768
Management Services Formerly: Work Study & Manage. Serv. (GB)
Institute of Management Services, 1 Cecil Court, London Road, Enfield, Middx EN2 6DD, England

Manage. Serv. Gov. (GB) (vol.29, no.1 Feb. 1974—)
Coden: MNSGBS
Management Services in Government Formerly: O & M Bull. (GB) Title changed to: Manage. Gov. (GB)

Manage. World (USA) (vol.12, no.3 April 1983—)
ISSN 0090-3825
Management World Administrative Management Society, 2360 Maryland Road, Willow Grove, PA 19090, USA

Mar. Behav. & Physiol. (GB) (vol.1, no.1 April 1972—)
Coden: MBPHAX ISSN 0091-181X
Marine Behaviour and Physiology Gordon & Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England

Mar. Geophys. Res. (Netherlands) (vol.1, no.1 Aug. 1970—)
Coden: MGYRA7 ISSN 0025-3235
Marine Geophysical Researches D. Reidel Publishing Co., P.O. Box 17, Dordrecht, Netherlands

Mar. Pollut. Bull. (GB) (vol.9, no.1 Jan. 1978—)
Coden: MPNBAZ ISSN 0025-326X
Marine Pollution Bulletin Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Mar. Technol.
See: MT Meerestech. (Germany)

Mar. Technol. (Germany) (vol.1, no.1 May 1970—)
Coden: MARTA4
Marine Technology (Meerestechnik) Title changed to: MT Meerestech. (Germany)

Mar. Technol. Soc. J. (USA) (vol.4, no.1 Jan.-Feb. 1970—)
Coden: MTSJBB ISSN 0025-3324
Marine Technology Society Journal 1730 M Street N.W., Suite 412, Washington, DC 20036, USA

Marconi Instrum. (GB) (1968—)
Coden: MRCIAF ISSN 0025-2875
Marconi Instrumentation Marconi Instruments Ltd., St. Albans, Herts, England

Marconi Rev. (GB) (1968—)
Coden: MARVAA ISSN 0025-2883
Marconi Review Title changed to: GEC J. Res. Incorp. Marconi Rev. (GB)

Marelli (Italy) (1968—)
Coden: MARLAE
Marelli Title changed to: Ercole Marelli (Italy)

Marketing (GB) (vol.13, no.12 23 June 1983—)
Coden: MARKBC ISSN 0025-3650
Marketing Marketing Publications Ltd., 22 Lancaster Gate, London W2 3LY, England

Maschinenmarkt (Germany) (1968—)
Coden: MAMKAK ISSN 0025-4509
Maschinenmarkt Vogel-Verlag, Postfach 67 40, 8700 Wurzburg 1, Germany

Maschinenschaden (Germany) (vol.41, no.6 1968—)
Coden: MSCNA3 ISSN 0025-4517
Der Maschinenschaden Allianz Versicherungs-AG, Koniginstrasse 28, Postfach 24, D-8000 Munchen 44, Germany

Mass Spectrosc. (Japan) (1968—)
Coden: SHIBAK ISSN 0542-8645
Mass Spectroscopy Mass Spectroscopy Society of Japan, c/o Department of Chemistry, Faculty of Liberal Arts and Sciences, University of Osaka Prefecture, Sakai-shi, Osaka, Japan

Mat. Cas. (Czechoslovakia) (1968—)
Coden: MACAB9
Matematicky Casopis Title changed to: Math. Slovaca (Czechoslovakia)

Mat. Fiz. (USSR) (no.11 1972—)
Coden: MAFIAD ISSN 0542-9986
Matematischeskaya Fizika Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR

Mat. Lapok (Hungary) (vol.27, no.3-4 1976-1979—)
Coden: MTLPAR ISSN 0025-519X
Matematikai Lapok Akademiai Kiado, 1054 Budapest, Alkotmany utca 21, Hungary

Mat.-Fys. Medd. Dan. Vidensk. Selsk. (Denmark) (vol.39, no.8 1975—)
Coden: KDVSAK
Matematisk-Fysiske Meddelelser Konglige Danske Videnskabernes Selskab
Formerly: K. Dan. Vidensk. Selsk. Mat.-Fys. Medd. (Denmark)
Royal Danish Academy of Sciences, H.C. Andersen Boulevard 35, DK-1553 Copenhagen V, Denmark

Mater. Chem. & Phys. (Switzerland) (vol.8, no.1 Jan. 1983—)
Coden: MCHPDR ISSN 0254-0584
Materials Chemistry and Physics Elsevier Sequoia S.A., P.O.Box 851, 1001 Lausanne 1, Switzerland

†Mater. Eval. (USA) (1968—)
Coden: MAEVAD ISSN 0025-5327
Materials Evaluation Society for Nondestructive Testing, 3200 Riverside Drive, Columbus, OH 43221, USA

Mater. Flow (Netherlands) (vol.1, no.1 May 1982—)
Coden: MATFD9 ISSN 0167-1936
Material Flow Elsevier Scientific Publishing Co., P.O.Box 330, 1000 AH Amsterdam, Netherlands

Mater. Handl. Eng. (USA) (vol.24, no.2 Feb. 1969—)
Coden: MHENA4 ISSN 0025-5262
Material Handling Engineering Penton/IPC Inc., 614 Superior Avenue West, Cleveland, OH 44113, USA

Mater. Lett. (Netherlands) (vol.1, no.1 June 1982—)
Coden: MLETDJ ISSN 0167-577X
Materials Letters North-Holland Publishing Co., P.O.Box 211, 1000 AE Amsterdam, Netherlands

Mater. Res. & Stand. (USA) (1968—)
Coden: MTRSAW
Materials Research and Standards Title changed to: ASTM Stand. News (USA)

Mater. Res. Bull. (USA) (1968—)
Coden: MRBUAC ISSN 0025-5408
Materials Research Bulletin Pergamon Press Inc., Maxwell House, Fairview Park, Elmsford, NY 10523, USA

†**Mater. Sci. & Eng. (Switzerland)** (1968—)
Coden: MSCEAA ISSN 0025-5416
Material Science and Engineering Elsevier Sequoia S.A., P.O. Box 851, 1001-Lausanne 1, Switzerland

Mater. Sci. (Poland) (vol.3, no.1-2 1977—)
Coden: MSCJDS ISSN 0137-1339
Materials Science Wydawnictwo Politechniki Wroclawskiej, Wybreze Wyspianskiego 27, 50-370 Wroclaw, Poland

†**Mater. Test. (Germany)** (vol.10, no.12 Dec. 1968—)
Coden: MTPRAJ ISSN 0025-5300
Materials Testing VDI-Verlag GmbH, Graf-Recke-Strasse 84, Postfach 1139, 4 Dusseldorf 1, Germany

Math. & Comput. Educ. (USA) (vol.16, no.1 Winter 1982—)
Coden: MCEDDA ISSN 0730-8639
Mathematics and Computer Education c/o Department of Mathematics and Computer Processing, Nassau Community College, Garden City, LI 11530, USA

†**Math. & Comput. Simulation (Netherlands)** (vol.19, no.1 March 1977—)
Coden: MCSIDR ISSN 0378-4754
Mathematics and Computers in Simulation Formerly: Trans. Int. Assoc. Math. & Comput. Simulation (Belgium)
North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

Math. Balk. (Yugoslavia) (no.1 1972—)
Coden: MTMBBP
Mathematica Balkanica Beograd, pp 550, Studentski trg 16, Yugoslavia

Math. Biosci. (USA) (1968—)
Coden: MABIAR ISSN 0025-5564
Mathematical Biosciences Elsevier North-Holland Inc., 52 Vanderbilt Avenue, New York, NY 10017, USA

†**Math. Comput. (USA)** (1968—)
Coden: MCMPAF ISSN 0025-5718
Mathematics of Computation Published for the National Academy of SciencesNational Research Council by the American Mathematical Society, P.O. Box 6248, Providence, RI 02904, USA

Math. Modelling (USA) (vol.2, no.1 1981—)
Coden: MAMODZ ISSN 0270-0255
Mathematical Modelling Pergamon Press Inc., Fairview Park, Elmsford, NY 10523, USA

†**Math. Numer. Sin. (China)** (vol.3, no.1 1981—)
Coden: JSUXDP ISSN 0254-7791
Mathematica Numerica Sinica Subscription address: Guozi Shudian, P.O.Box 399, Beijing, People's Republic of China

†**Math. Oper. Res. (USA)** (vol.1, no.3 Aug. 1976—)
Coden: MOREDQ ISSN 0364-765X
Mathematics of Operations Research Operations Research Society of America, Business Office, 428 East Preston Street, Baltimore, MD 21202, USA. The Institute of Management Sciences, 146 Westminster Street, Providence, RI 02903

Math. Operationsforsch. & Stat. (Germany) (vol.4, no.1 Jan.-Feb. 1973—)
Coden: MTOSBI
Mathematische Operationsforschung und Statistik Title changed to: Math. Operationsforsch. & Stat. Ser. Stat. (Germany)

Math. Operationsforsch. & Stat. Ser. Optimiz. (Germany) (vol.8, no.2 1977—)
Coden: OPTZDQ ISSN 0323-3898
Mathematische Operationsforschung und Statistik Series Optimization Akademie-Verlag, DDR-108 Berlin, Leipziger Strasse 3-4, Germany

Math. Operationsforsch. & Stat. Ser. Stat. (Germany) (vol.8, no.2 1977—)
Coden: MOSSD5 ISSN 0323-3944
Mathematische Operationsforschung und Statistik Series Statistics Formerly: Math. Operationsforsch. & Stat. (Germany)
Akademie-Verlag, DDR-108 Berlin, Leipziger Strasse 3-4, Germany

Math. Proc. Cambridge Philos. Soc. (GB) (vol.77, pt.1 Jan. 1975—)
Coden: MPCPCO ISSN 0305-0041
Mathematical Proceedings of the Cambridge Philosophical Society Formerly: Proc. Cambridge Philos. Soc. (GB)
Cambridge University Press, Bentley House, 200 Euston Road, London, NW1 2DB, England

†**Math. Program. (Netherlands)** (vol.6, no.1 Feb. 1974—)
Coden: MHPGA4 ISSN 0025-5610
Mathematical Programming North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

Math. Program. Stud. (Netherlands) (no.4 Dec. 1975—)
Coden: MPSTDF ISSN 0303-3929
Mathematical Programming Studies North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

Math. Rep. Toyama Univ. (Japan) (vol.3 1980—)
Coden: MRTUD3 ISSN 0386-832X
Mathematics Reports Toyama University Department of Mathematics, Faculty of Science, Toyama University, Gofuku, Toyama 930, Japan

Math. Slovaca (Czechoslovakia) (vol.26, no.1 1976—)
Coden: MASLDM ISSN 0025-5173
Mathematica Slovaca Formerly: Mat. Cas. (Czechoslovakia)
Publishing House VEDA of the Slovak Academy of Sciences, 895 30 Bratislava, Klemensova 19, Czechoslovakia

Math. Soc. Sci. (Netherlands) (vol.1, no.1 Sept. 1980—)
Coden: MSOSDD ISSN 0165-4896
Mathematical Social Sciences North-Holland Publishing Co., P.O.Box 211, 1000 AE Amsterdam, Netherlands

Math. Spectrum (GB) (vol.4, no.1 1971—)
Coden: MSPEB8 ISSN 0025-5653
Mathematical Spectrum Applied Probability Trust. Editorial address: Hicks Building, The University, Sheffield, S3 7RH, England

†**Math. Syst. Theory (USA)** (vol.2, no.1 March 1968—)
Coden: MASTBA ISSN 0025-5661
Mathematical Systems Theory Springer Verlag New York, 175 Fifth Avenue, New York, NY 10010, USA

Matrix & Tensor Q. (GB) (1968—)
Coden: MATQA5 ISSN 0025-5998
Matrix and Tensor Quarterly Tensor Society of Great Britain, The Lyon Playfair Library, Imperial College, London SW7 2AZ, England

Mausam (India) (vol.30, no.1 Jan. 1979—)
Coden: MAUSDJ ISSN 0252-9416
Mausam Formerly: Indian J. Meteorol. Hydrol. & Geophys.
India Meteorological Department. Publication address: Controller of Publications, Civil Lines, Delhi-110054, India

Meas. & Control (GB) (1968—)
Coden: MEACBX ISSN 0020-2940
Measurement and Control Institute of Measurement & Control, 20 Peel Street, London, W8 7PD, England

Meas. & Insp. Technol. (GB) (vol.1, no.2 July 1979—)
Coden: MINTD9 ISSN 0143-4020
Measurement and Inspection Technology Title changed to: Qual. Today (GB)

Meas. Tech. (USA) (no.6 June 1967—)
Coden: MSTCAL ISSN 0543-1972
Measurement Techniques [Translation of: *Izmer. Tekh. (USSR)*] Consultants Bureau, 233 Spring Street, New York, NY 10013, USA

Meccanica (Italy) (vol.3, no.1 March 1968—)
Coden: MECCB9 ISSN 0025-6455
Meccanica Pitagora Editrice, via Zamboni 57, 40126 Bologna, Italy

Mech. & Mach. Theory (GB) (vol.7, no.1 Spring 1972—)
Coden: MHMTAS ISSN 0094-114X
Mechanism and Machine Theory Formerly: J. Mech. (GB)
Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW, England

†**Mech. Autom. Adm. (Czechoslovakia)** (vol.13, no.1 1973—)
Coden: MAUAAU ISSN 0322-8452
Mechanizace Automatizace Administrativy SNTL, 113 02 Praha 1, Spalena 51, Czechoslovakia

Mech. Compos. Mater. (USA) (vol.15, no.1 Jan.-Feb. 1979—)
Coden: MCMAD7 ISSN 0191-5665
Mechanics of Composite Materials Formerly: Polym. Mech. (USA) [Translation of: *Mekh. Kompozitnykh Mater. (USSR)*] Consultants Bureau, 233 Spring Street, New York, NY 10013, USA

Mech. Eng. (USA) (1968—)
Coden: MEENAH ISSN 0025-6501
Mechanical Engineering American Society of Mechanical Engineers, 345 East 47th Street, New York, NY 10017, USA

Mech. Eng. Bull. (India) (vol.10, no.4 Dec. 1979—)
Coden: MEGBBQ ISSN 0379-5527
Mechanical Engineering Bulletin Central Mechanical Engineering Research Institute, Durgapur 713209, India

Mech. Eng. Lab. Bull.
See: Bull. Mech. Eng. Lab. (Japan)

Mech. Eng. Lab. J.
See: J. Mech. Eng. Lab. (Japan)

Mech. Mater. (Netherlands) (vol.1, no.1 Jan. 1982—)
Coden: MSMSD3 ISSN 0167-6636
Mechanics of Materials North-Holland Publishing Co., P.O.Box 211, 1000 AE Amsterdam, Netherlands

Mech. Res. Commun. (GB) (vol.1, no.2 1974—)
Coden: MRCOD2 ISSN 0093-6413
Mechanics Research Communications Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW, England

Mech. Solids (USA) (vol.14, no.2 1979—)
Coden: MESOBN ISSN 0025-6544
Mechanics of Solids [Translation of: *Izv. Akad. Nauk SSSR Mekh. Tverd. Tela*] Allerton Press Inc., 150 Fifth Avenue, New York, NY 10011, USA

Mech. Teor. & Stosow. (Poland) (vol.6, no.4 1968—)
Coden: MTYSAX ISSN 0079-3701
Mechanika Teoretyczna i Stosowana Polska Akademia Nauk, 00-049 Warszawa, Ut. Swietokrzyska 21, Poland

MED (Media Educ. & Dev.) (GB) (vol.14, no.4 Dec. 1981—)
Coden: MDETDV ISSN 0013-1970
MED (Media in Education and Development) Formerly: EBI (Educ. Broadcast. Int.) (GB) Title changed to: Media Educ. & Dev. (GB)

†**Med. & Biol. Eng. & Comput. (GB)** (vol.15, no.1 Jan. 1977—)
Coden: MBECDY ISSN 0140-0118
Medical & Biological Engineering & Computing Formerly: Med. & Biol. Eng. (GB)
Peter Peregrinus Ltd., P.O. Box 8, Southgate House, Stevenage, Herts. SG1 1HQ, England

Med. & Biol. Eng. (GB) (1968—)
Coden: MBENAU
Medical and Biological Engineering Title changed to: Med. & Biol. Eng. & Comput. (GB)

Med. Inf. (GB) (vol.1, no.1 April 1976—)
Coden: MINFDZ ISSN 0307-7640
Medical Informatics - Medecine et Informatique Taylor & Francis Ltd., 4 John Street, London WC1N 2ET, England

Med. Instrum. (USA) (vol.7, no.3 May-Aug. 1973—)
Coden: MLISBY ISSN 0090-6689
Medical Instrumentation Formerly: J. Assoc. Adv. Med. Instrum. (USA)
Association for the Advancement of Medical Instrumentation, 1901 North Fort Myer Drive, Suite 602, Arlington, VA 22209, USA

Med. Libr. Assoc. Bull.
See: Bull. Med. Libr. Assoc. (USA)

†**Med. Phys. (USA)** (vol.1, no.1 1974—)
Coden: MPHYA6 ISSN 0094-2405
Medical Physics Published for the American Association of Physicists in Medicine by the American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

Med. Prog. Technol. (Germany) (vol.2, no.2 1974—)
Coden: MDPTBG ISSN 0047-6552
Medical Progress Technology Springer-Verlag, D-1000 Berlin 33, Heidelberger Platz 3, Germany

Med. Radiol. (USSR) (vol.26, no.7 July 1981—)
Coden: MERAA9 ISSN 0025-8334
Meditsinskaya Radiologiya Editorial address: 117819 GSP-7, Moskva V-246, USSR

Med. Ref. Serv. Q. (USA) (vol.2, no.1 Spring 1983—)
Coden: MRSQDK ISSN 0276-3869
Medical Reference Services Quarterly Haworth Press Inc., 28 East 22 Street, New York, NY 10010, USA

Med. Res. Eng. (USA) (vol.7, no.2 1968—)
Coden: MDREBF ISSN 0025-7508
Medical Research Engineering Medical-Research-Technology, Woods Road, Great Notch, Little Falls, NJ 07424, USA

Med. Tekh. (USSR) (vol.6, no.1 Jan.-Feb. 1972—)
Coden: MEDTBV ISSN 0047-6617
Meditsinskaya Tekhnika Editorial address: All-Union Scientific-Research Institute of Medical Instruments, Moscow, USSR [English translation in: *Biomed. Eng. (USA)*]

Meded. K. Acad. Wet. Lett. & Schone Kunsten Belg. (Belgium) (1968—)
Coden: MKAWAW
Mededelingen van de Koninklijke Academie voor Wetenschappen, Letteren en Schone Kunsten van Belgie Paleis der Academien, Hertogsstraat 1, B-1000 Bruxelles, Belgium

Media Educ. & Dev. (GB) (vol.15, no.1 March 1982—)
Coden: MDETDV ISSN 0262-0251
Media in Education and Development Formerly: MED (Media Educ. & Dev.) (GB)
Published for the British Council by Peter Peregrinus Ltd., P.O.Box 8, Southgate House, Stevenage, Herts. SG1 1HQ, England

Medicamundi (Netherlands) (vol.14, no.2—)
Coden: MEMUAA ISSN 0025-7664
Medicamundi Philips Gloeilampenfabrieken, Eindhoven, Netherlands

Medicor News (Hungary) (no.3 1977—)
Coden: MENED4 ISSN 0133-5960
Medicor News Publicity Department, P.O. Box 150, 1389 Budapest 62, Hungary

Mehran Univ. Res. J. Eng. & Technol. (Pakistan) (vol.1, no.3 July 1982—)
Coden: MURTDB ISSN 0254-7821
Mehran University Research Journal of Engineering and Technology Jamshoro, Sind, Pakistan

Meidai Uchusen Kenkyushitsu Kiji
See: Proc. Cosmic-Ray Res. Lab. Nagoya Univ. (Japan)

Meiden Rev. (Int. Ed.) (Japan) (no.2 1974—)
Coden: MREVDX ISSN 0025-8741
Meiden Review (International Edition) Formerly: Meidensha Rev. (Int. Ed.) (Japan)
Meidensha Electric Manufacturing Co. Ltd., New Ohtemachi Building, 2-1, 2-chome, Ohte-machi, Chiyoda-ku, Toyko, Japan

Meidensha Rev. (Int. Ed.) (Japan) (ser. 34, no. 2 1970—)
Coden: MRIEAX
Meidensha Review (International Edition) Title changed to: Meiden Rev. (Int. Ed.) (Japan)

Meiji Daigaku Kogakubu Kenkyu Hokoku
See: Res. Rep. Fac. Eng. Meiji Univ. (Japan)

Meiji Univ. Fac. Eng. Res. Rep.
See: Res. Rep. Fac. Eng. Meiji Univ. (Japan)

Meijyo Univ. Fac. Sci. & Technol. Rep.
See: Res. Rep. Fac. Sci. & Technol. Meijyo Univ. (Japan)

Mekh. & Avtom. Proizvod. (USSR) (1968—)
Coden: MAVPAC ISSN 0025-8873
Mekhanizatsiya i Avtomatizatsiya Proizvodstva Editorial address: Moskva K51, Tuonya ul. d 17, USSR

Mekh. & Avtom. Upr. (USSR) (no.2 March 1969—)
Coden: MAUPA7 ISSN 0543-4149
Mekhanizahriya i Avtomahzatsiya Upravleniya Editorial address: 252171 Kiev, ul. Gor'kogo 180, USSR

Mekh. Kompozitnykh Mater. (USSR) (vol.14, no.1 Jan.-Feb. 1979—)
Coden: MKMADT
Mekhnika Kompozitnykh Materialov Formerly: Mekh. Polim. (USSR)
Latvian Academy of Sciences, Riga, USSR [English translation in: *Mech. Compos. Mater. (USA)*]

Mekh. Polim. (USSR) (1968—)
Coden: MKPLA6
Mekhanika Polimerov Title changed to: Mekh. Kompozitnykh Mater. (USSR)

Mekh. Tverd. Tela (USSR) (no.4 1972—)
Coden: MTVTBM ISSN 0321-1975
Mekhanika Tverdogo Tela Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR

Mem. & Etud. Sci. Rev. Metall. (France) (vol.77, no.5 May 1980—)
Coden: MESMDJ ISSN 0245-8292
Memoires et Etudes Scientifiques de la Revue de Metallurgie Formerly: Mem. Sci. Rev. Metall. (France)
1-5 rue Paul Cezanne, 75008 Paris, France

Mem. Astron. Soc. India (vol.1 Sept. 1979—)
Coden: MASIDD
Memoirs of the Astronomical Society of India Issued with: *Bull. Astron. Soc. India*

Mem. B.R.G.M. (France) (no.110—)
Coden: FRGMA4 ISSN 0071-8246
Memoire du B.R.G.M Bureau de Recherches Geologiques et Minieres, B.P. 6009, 45060 Orleans Cedex, France

Mem. Chubu Inst. Technol. (Japan) (vol.3 Nov. 1967—)
Coden: CHUMA5 ISSN 0386-1732
Memoirs Chubu Institute of Technology Publications Office, Chuba Institute of Technology, Kasugai, Nagoya-sub, 487, Japan

Mem. Def. Acad. (Japan) (1968—)
Coden: MDPCAW
Memoirs of the Defense Academy Title changed to: Mem. Natl. Def. Acad. (Japan)

Mem. Fac. Eng. Fukui Univ. (Japan) (1983—)
Coden: FDKHAD ISSN 0429-8373
Memoirs of the Faculty of Engineering, Fukui University 3-9-1 Bunkyo, Fukui-shi, Fukui 910, Japan

Mem. Fac. Eng. Hiroshima Univ. (Japan) (vol.4, no.1 Jan. 1970—)
Coden: MFEHA6 ISSN 0073-2311
Memoirs of the Faculty of Engineering, Hiroshima University 3-chome Sendamachi, Hiroshima City, Japan

Mem. Fac. Eng. Hokkaido Univ. (Japan) (1968—)
Coden: MEHUAJ ISSN 0368-9379
Memoirs of the Faculty of Engineering, Hokkaido University, North 12, West 8, Sapporo, Japan

Mem. Fac. Eng. Kobe Univ. (Japan) (no.15 1969—)
Coden: MFEKAF ISSN 0368-9638
Memoirs of the Faculty of Engineering, Kobe University Rokkodai-cho, Nada-ku, Kobe, Japan

Mem. Fac. Eng. Kumamoto Univ. (Japan) (vol.15, no.1 Dec. 1968—)
Coden: MEKMAA ISSN 0023-5334
Memoirs of the Faculty of Engineering Kumamoto University University of Kumamoto, Faculty of Engineering, Kumamoto, Japan

Mem. Fac. Eng. Kyoto Univ. (Japan) (1968—)
Coden: MEKYAC ISSN 0023-6063
Memoirs of the Faculty of Engineering, Kyoto University Kyoto, Japan

Mem. Fac. Eng. Kyushu Univ. (Japan) (1968—)
Coden: MEKSAS ISSN 0023-6160
Memoirs of the Faculty of Engineering, Kyushu University Dean of the Faculty of Engineering, Kuyshu University 36, 6-10-1 Hakozaki, Higashi-ku, Fukuoka 812, Japan

Mem. Fac. Eng. Nagoya Univ. (Japan) (1968—)
Coden: MENAAN ISSN 0027-7657
Memoirs of the Faculty of Engineering, Nagoya University Furo-cho, Chikusa-ku, Nagoya, Japan

Mem. Fac. Eng. Osaka City Univ. (Japan) (1968—)
Coden: MFEOAR ISSN 0078-6659
Memoirs of the Faculty of Engineering, Osaka City University 459 Sugimoto-cho, SumiYoshi-kum, Osaka, Japan

Mem. Fac. Eng. Yamaguchi Univ. (Japan) (1983—)
Coden: YDKGAF ISSN 0372-7661
Memoirs of the Faculty of Engineering, Yamaguchi University 2557 Tokiwadai, Ube-shi, Yamaguchi 755, Japan

Mem. Fac. Ind. Arts Kyoto Tech. Univ. Sci. & Technol. (Japan) (1968—)
Coden: MIAKAG ISSN 0014-6773
Memoirs of the Faculty of Industrial Arts, Kyoto Technical University. Science and Technology Matsugaski, Sakyoku, Kyoto 606, Japan

Mem. Fac. Sci. Kyoto Univ. Ser. Phys. Astrophys. Geophys. Chem. (Japan) (1968—)
Coden: MFKPAQ ISSN 0368-9689
Memoirs of the Faculty of Science Kyoto University, Series of Physics, Astrophysics, Geophysics and Chemistry Kitashirakawa, Sakyo Ku, Kyoto, Japan

Mem. Fac. Sci. Kyushu Univ. Ser. B (Japan) (1968—)
Coden: MFKBAI ISSN 0085-2627
Memoirs of the Faculty of Science, Kyushu University, Series B Fukuoka, Kyushu, Japan

Mem. Fac. Sci. Kyushu Univ. Ser. C (Japan) (vol.6, no.2 March 1968—)
Coden: MFKCAL ISSN 0085-2635
Memoirs of the Faculty of Science, Kyushu University, Series C Fukuoka, Kyushu, Japan

Mem. Fac. Technol. Kanazawa Univ. (Japan) (vol.5, no.5 Feb. 1970—)
Coden: KDKOAL ISSN 0022-832X
Memoirs of the Faculty of Technology, Kanazawa University 2-40-20, Kodatsuno, Kanazawa, Ishikawa 920, Japan

Mem. Fac. Technol. Tokyo Metrop. Univ. (Japan) (no.21 1971—)
Coden: MTTMAO ISSN 0082-4747
Memoirs of Faculty of Technology, Tokyo Metropolitan University Fukazawa 2-1-1, Setagaya, Tokyo, Japan

Mem. Hokkaido Inst. Technol. (Japan) (1983—)
Coden: HODKDL ISSN 0385-0862
Memoirs of the Hokkaido Institute of Technology 419-2 Maeda Teine, Nishi-ku, Sapporo, Hokkaido 061-24, Japan

Mem. Kyushu Inst. Technol. Eng. (Japan) (no.1 March 1971—)
Coden: MKIEBJ ISSN 0369-0512
Memoirs of the Kyushu Institute of Technology. Engineering Tobata, Kitakyushu, Japan

Mem. Natl. Def. Acad. (Japan) (vol.20, no.1 March 1980—)
Coden: MNDEDH ISSN 0388-4112
Memoires of the National Defense Academy Formerly: Mem. Def. Acad. (Japan)
Hashirimizu 1-10-20, Yokosuka 239, Japan

Mem. Res. Inst. Sci. & Eng. Ritsumeikan Univ. (Japan) (no.29 1975—)
Coden: RDRKAJ ISSN 0370-4254
Memoirs of the Research Institute of Science & Engineering Ritsumeikan University Kyoto, Japan

Mem. Sch. Eng. Okayama Univ. (Japan) (1983—)
Coden: MSEOBH ISSN 0475-0071
Memoirs of the School of Engineering, Okayama University Tsushima, Okayama, Japan

Mem. Sch. Sci. & Eng. Waseda Univ. (Japan) (1983—)
Coden: MSEWA6 ISSN 0369-1950
Memoirs of the School of Science & Engineering, Waseda University 3-4-1 Okubo, Shinjuku-ku, Tokyo 160, Japan

Mem. Sci. Rev. Metall. (France) (vol.68, no.10 Oct. 1971—)
Coden: MRMTAU
Memoires Scientifiques de la Revue de Metallurgie Title changed to: Mem. & Etud. Sci. Rev. Metall. (France)

Mem. Soc. Astron. Ital. (Italy) (1968—)
Coden: MSATAB ISSN 0037-8720
Memorie della Societa Astronomica Italiana Osservatorio Astronomico di Brera, Via Brera 28, 20121 Milano, Italy

Mercury (USA) (vol.6, no.5 Sept.-Oct. 1977—)
Coden: MRCYAT ISSN 0047-6773
Mercury Astronomical Society of the Pacific, 1290 24th Avenue, San Francisco, CA 94122, USA

Mereni a Regulace (Czechoslovakia) (1968—)
Coden: MERRAQ ISSN 0539-3973
Mereni a Regulace Research Institute for Automation Systems Pluku 12a, Praha 8-Karlin, Czechoslovakia

Meres & Autom. (Hungary) (1968—)
Coden: MEAUAI ISSN 0025-9993
Meres es Automatika Lapkiado Vallalat, Budapest VII, Lenin Korut 9-11, Hungary

Mes. Regul. Autom. (France) (1968—)
Coden: MRAUA7 ISSN 0026-0193
Mesures, Regulation, Automatisme Title changed to: Mesures (France)

Mess. & Pruef. (Germany) (vol.7, no.3 March 1971—)
Coden: MSPNBZ ISSN 0026-0339
Messen & Prufen Hans Holzman Verlag KG, 8939 Bad Worishofen, Gewerbestrasse 2, Postfach 460 und 480, Germany. Incorporates Automatik (Germany) and Radio Mentor Electron. (Germany)

† indicates a journal abstracted completely

Mess. Steuern Regeln
See: MSR (Mess. Steuern Regeln) (Germany)

Mess. Steuern Regeln mit Automatisierungsprax. (Germany) (1968—)
Coden: MSRGAN
Messen Steuern Regeln mit Automatisierungspraxis Title changed to: MSR (Mess. Steuern Regeln) (Germany)

Messtechnik (Germany) (1968—)
Coden: MESSAY
Messtechnik Formerly: Z. Instrumentenk. (Germany). Merged with Feinwerktech. & Micronic (Germany) to form Feinwerktech. & Messtech. (Germany)

Mesures (France) (vol.48, no.9 30 May 1983—)
Coden: MSRSET ISSN 0026-0193
Mesures Formerly: Mes. Regul. Autom. (France)
Compagnie Francaise d'Information pour les Entreprises, 40 rue du Colisee, 75381 Paris Cedex 08, France

†**Met. Forum (Australia)** (vol.1, no.1 March 1978—)
Coden: MEFODS ISSN 0160-7952
Metals Forum Formerly: J. Australas. Inst. Met. (Australia)
Published for the Australasian Institute of Metals by: Pergamon Press Australia, 19a Boundary Street, Rushcutters Bay, N.S.W. 2011, Australia

Met. Phys. (GB) (no.1 May 1970—)
Coden: MPYSB6
Metal Physics Title changed to: J. Phys. F (GB)

Met. Sci. & Heat Treat. (USA) (vol.14, no.1-2 Jan.-Feb. 1972—)
Coden: MHTRAN ISSN 0026-0673
Metal Science and Heat Treatment [Translation of: *Metalloved. & Term. Obrab. Met. (USSR)*] Consultants Bureau, 233 Spring Street, New York, NY 10013, USA

†**Met. Sci. (GB)** (vol.8, no.1 Jan. 1974—)
Coden: METSC7 ISSN 0306-3453
Metal Science Formerly: Met. Sci. J. (GB)
Metals Society, 1 Carlton House Terrace, London, SW1Y 5DB, England

Met. Sci. J. (GB) (vol.5 Jan. 1971—)
Coden: MESJA7
Metal Science Journal Title changed to: Met. Sci. (GB)

Metal. & Electr. (Spain) (vol.32, no.372 Sept. 1968—)
Coden: MYELAF ISSN 0026-0991
Metalurgia y Electricidad Metalurgia y Electricidad, Apartado de Correos, Madrid 19, Spain

†**Metall. Trans. A (USA)** (vol.1, no.10 Oct. 1970—)
Coden: MTTABN ISSN 0360-2133
Metallurgical Transactions A (Physical Metallurgy and Materials Science) Formerly: Trans. Metall. Soc. AIME (USA)
Metallurgical Society of American Institute of Mining, Metallurgical & Petroleum Engineers Inc., P.O. Box 430, 420 Commonwealth Drive, Warrendale, PA15086, USA

Metall. Trans. B (USA) (vol.6B, no.4 Dec. 1975—)
Coden: MTTBCR ISSN 0360-2141
Metallurgical Transactions B (Process Metallurgy) Metallurgical Society of American Institute of Mining, Metallurgical & Petroleum Engineers, P.O. Box 430, 420 Commonwealth Drive, Warrendale, PA 15086, USA

Metallofizika, Kiev (USSR) (no.33 1971—)
Coden: MFIZAC ISSN 0204-3580
Metallofizika Izdatel'stvo 'Naukova Dumka', 252601 Kiev, GSP, Repina 3, USSR [English translation in: *Phys. Met. (GB)*]

†**Metallography (USA)** (vol.1, no.3-4 Jan. 1969—)
Coden: MEIJAP ISSN 0026-0800
Metallography Elsevier North-Holland Inc., 52 Vanderbilt Avenue, New York, NY 10017, USA

Metalloved. & Term. Obrab. Met. (USSR) (no.7 1971—)
Coden: MTOMAX ISSN 0026-0819
Metallovedenie i Termicheskaya Obrabotka Metallov Moskva, GSP-110, Prospekt Mira 106, USSR [English translation in: *Met. Sci. & Heat Treat. (USA)*]

Metalwork. Prod. (GB) (26 June 1968—)
Coden: MWPDAW ISSN 0026-1033
Metalworking Production Morgan-Grampian (Publishers) Ltd., Morgan-Grampian House, Calderwood Street, London SE18 6QH, England

†**Meteoritics (USA)** (vol.5, no.1 31 March 1970—)
Coden: MERTAW ISSN 0026-1114
Meteoritics Published jointly by The Meteoritical Society and Arizona State University Bureau of Publications, USA. Circulation address: Center for Meteorite Studies, Arizona State University, Tempe, AZ 85287

Meteorol. & Gidrol. (USSR) (no.7 July 1973—)
Coden: MEGIAC ISSN 0130-2906
Meteorologiya i Gidrologiya 123376 Moskva, D-376, Bol'shevistskaya Ul., D.13 Komn. 114, USSR [English translation in: *Sov. Meteorol. & Hydrol. (USA)*]

Meteorol. Mag. (GB) (1968—)
Coden: MTMGA5 ISSN 0026-1149
Meteorological Magazine Director General Meteorological Office, London Road, Bracknell, Berks RG12 2SZ, England

Meteorol. Rundsch. (Germany) (vol.25, no.1 Jan.-Feb. 1972—)
Coden: MERUAZ ISSN 0026-1211
Meteorologische Rundschau Gebr. Borntraeger, D-7000 Stuttgart 1, Johannestrasse 3A, Germany

Methods Inf. Med. (Germany) (vol.9, no.2 April 1970—)
Coden: MIMCAI ISSN 0026-1270
Methods of Information in Medicine F.K. Schattauer Verlag GmbH, 7 Stuttgart 1, Postfach 2945, Lenzhalde 3, Germany

†**Methods Oper. Res. (Germany)** (vol.37 1980—)
Coden: MEORDE ISSN 0078-5318
Methods of Operations Research Formerly: Oper. Res. Verfahren-Methods Oper. Res. (Germany)
Verlagsgruppe Athenaum/Hain/Scriptor/Hanstein, Postfach 1220, 6240 Konigstein/Ts, Germany

†**Metrika (Austria)** (vol.14, no.1 1968—)
Coden: MTRKA8 ISSN 0026-1335
Metrika Physica-Verlag Rudolf Liebing K.G., A-1010 Wien, Seilerstatte 18 (Hofels), Austria

Metrol. Apl. (Rumania) (vol.24, no.1 1977—)
Coden: MAPBA8 ISSN 0539-5232
Metrologia Aplicata Formerly: Calitatea Prod. & Metrol. (Rumania)
Editorial address: Institutul National de Metrologie, Sos. Vitan-Birzesti Nr 11, Sector 4, Bucuresti 75669, Rumania

Metrologia (Germany) (1968—)
Coden: MTRGAU ISSN 0026-1394
Metrologia Springer-Verlag, Heidelberger Platz 3, D-1000 Berlin 33, Germany

†**Micro (USA)** (no.63 Aug. 1983—)
ISSN 0271-9002
Micro Formerly: Micro - 6502/6809 J. (USA)
10 Northern Boulevard, P.O.Box 6502, Amherst, NH 03031, USA

Micro - 6502/6809 J. (USA) (no.40 Sept. 1981—)
Coden: MCOODP ISSN 0271-9002
Micro - The 6502/6809 Journal Title changed to: Micro (USA)

Micro Decis. (GB) (no.5 March 1982—)
Coden: MIDEDG ISSN 0261-5142
Micro Decision Business Publications BV, 53-55 Frith Street, London W1A 2HG, England

Micro News & Mark. (Ireland) (vol.1, no.2 May 1983—)
Coden: MICREH ISSN 0790-0864
Micro News & Market Leisure Publications Ltd., 66 Patrick Street, Dun Laoghaire, Co. Dublin, Ireland

Micro Syst. (France) (no.19 Sept.-Oct. 1981—)
Coden: MSYSDT ISSN 0183-5084
Micro Systemes Societe Parisienne d'Edition, 2 a 12 rue de Bellevue, 75940 Paris Cedex 19, France

Microcomput. Printout (GB) (vol.2, no.9 Oct. 1981—)
Coden: MPRIDB ISSN 0261-4499
Microcomputer Printout Formerly: Printout (GB)
Printout Publications, P.O.Box 48, Newbury RG16 1PB, England

†**Microcomputing (USA)** (vol.6, no.3 March 1982—)
Coden: MIRCDC ISSN 0744-4567
Microcomputing Formerly: Kilobaud Microcomput. (USA)
Wayne Green Inc., 80 Pine Street, Peterborough, NH 03458, USA

Microdoc (GB) (vol.12, no.1 1973—)
Coden: MICDB6 ISSN 0026-2684
Microdoc Title changed to: Int. J. Microgr. & Video Technol. (GB)

†**Microelectron. & Reliab. (GB)** (1968—)
Coden: MCRLAS ISSN 0026-2714
Microelectronics and Reliability Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

†**Microelectron. J. (GB)** (vol.9, no.3 Jan.-Feb. 1979—)
Coden: MICEB9 ISSN 0026-2692
Microelectronics Journal Formerly: Microelectronics (GB)
Mackintosh Publications Ltd., Mackintosh House, Napier Road, Luton, Beds. LU1 1RG, England

Microelectronics (GB) (vol.3, no.5 May 1970—)
Coden: MICEB9
Microelectronics Title changed to: Microelectron. J. (GB)

Microform Rev. (USA) (vol.2, no.1 Jan. 1973—)
Coden: MFRVAB ISSN 0002-6530
Microform Review Microform Review Inc., 520 Riverside Avenue, P.O. Box 405, Saugatuck Station, Westport, CT 06880, USA

Micron & Microsc. Acta (GB) (vol.14, no.3 1983—)
ISSN 0739-6260
Micron and Microscopica Acta Formerly: Micron (GB)
Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Micron (GB) (vol.2, no.4 1971—)
Coden: MICNB2 ISSN 0047-7206
Micron Title changed to: Micron & Microsc. Acta (GB)

Microprocess. & Microprogram. (Netherlands) (vol.7, no.1 Jan. 1981—)
Coden: MMICDT ISSN 0165-6074
Microprocessing & Microprogramming Formerly: Euromicro J. (Netherlands)
North-Holland Publishing Co., P.O.Box 211, 1000 AE Amsterdam, Netherlands

Microprocess. & Microsyst. (GB) (vol.3, no.1 1979—)
Coden: MIMID5 ISSN 0141-9331
Microprocessors and Microsystems Formerly: Microprocessors (GB)
Butterworth Scientific Ltd., Journals Division, P.O.Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England

Microprocess. Software Q. (GB) (no.4 Aug. 1981—)
Coden: MSQUDT ISSN 0264-553X
Microprocessor Software Quarterly South West Universities Regional Computer Centre, University of Bath, Claverton Down, Bath BA2 7AY, England

Microprocess. Work (Switzerland) (vol.1, no.8 June 1980—)
Coden: MWORD4 ISSN 0143-5183
Microprocessors at Work Elsevier Sequoia S.A., P.O. Box 851, CH-1001 Lausanne 1, Switzerland

Microprocessors (GB) (vol.1, no.5 June 1977—)
Coden: MCRPD9
Microprocessors Title changed to: Microprocess. & Microsyst. (GB)

Microsc. Acta (Germany) (vol.73, no.1 Nov. 1972—)
Coden: MSACCU ISSN 0044-376X
Microscopica Acta S. Hirzel Verlag, 7 Stuttgart 1, Birkenwaldstrasse 44, Postfach 347, Germany

Microscope (USA) (vol.16, 3rd Quart. July 1968—)
Coden: MICRAD ISSN 0026-282X
Microscope Microscope Publications Ltd., 2508 South Michigan Avenue, Chicago, IL 60616, USA

†**Microsystems (USA)** (vol.3, no.4 July-Aug. 1982—)
Coden: MINJDD ISSN 0199-7955
Microsystems Editorial address: Box 1192, Mountainside, NJ 07092, USA

Microtecnic (Switzerland) (1968—)
Coden: MITCAJ ISSN 0026-2854
Microtecnic Agifa Verlag AG, Universitatstrasse 94, Postfach 257, CH-8033 Zurich, Switzerland

Microwave J. (USA) (1968—)
Coden: MCWJAD ISSN 0026-2897
Microwave Journal 610 Washington Street, Dedham Plaza, Dedham, MA 02026, USA

Microwave Syst. News (USA) (vol.5, no.2 April-May 1975—)
Coden: MWSNA9
Microwave Systems News Title changed to: MSN Microwave Syst. News (USA)

Microwaves & RF (USA) (vol.21, no.13 Nov. 1982—)
Coden: MIRFDL ISSN 0026-2919
Microwaves & RF Formerly: Microwaves (USA)
Hayden Publishing Co., Inc., 50 Essex Street, Rochelle Park, NJ 07662, USA

Microwaves (USA) (1968—)
Coden: MCRWAR ISSN 0026-2919
Microwaves Title changed to: Microwaves & RF (USA)

Middle East Electron. (GB) (July-Aug. 1981—)
Coden: MEAED7 ISSN 0140-7619
Middle East Electronics IPC Middle East Publishing Co. Ltd., Quadrant House, The Quadrant, Sutton, Surrey SM2 5AS, England

Mikro- & Kleincomput. (Switzerland) (vol.3, no.1 Feb. 1981—)
Coden: MKLED2 ISSN 0251-0006
Mikro- und Kleincomputer Verlag SCC AG, Seeburgstrasse 12, 6002 Luzern, Switzerland

Mikrocomput. Z. (Germany) (no.10 Oct. 1983—)
ISSN 0720-4442
Mikrocomputer Zeitschrift Franzis-Verlag GmbH, Karlstrasse 37, 8000 Munchen 2, Germany

Mikroelektronika (USSR) (vol.5, no.3 May-June 1976—)
Coden: MKETA9 ISSN 0544-1269
Mikroelektronika Akademiya Nauk SSSR, Moskva, USSR [English translation in: *Sov. Microelectron. (USA)*]

Mikrowellen Mag. (Germany) (no.3 1979—)
Coden: MKMGDD ISSN 0722-8244
Mikrowellen Magazin Sprechsaal-Verlag, P.O. Box 401, D-8630 Coburg, Germany

Mil. Electron./Countermeas. (USA) (vol.3, no.5 May 1977—)
Coden: MELCDM ISSN 0164-4076
Military Electronics/Countermeasures Formerly: Electron. Electro-Optic Infrared Countermeas. (USA)
Hamilton Burr Publishing Co., 2065 Martin Avenue, Suite 104, Santa Clara, CA 95050, USA

Min. Electr. & Mech. Eng. (GB) (1968—)
Coden: MMEGAI
Mining Electrical and Mechanical Engineer Title changed to: Min. Technol. (GB)

Min. Technol. (GB) (vol.51, no.583 May 1969—)
Coden: MNGTB7 ISSN 0026-5276
Mining Technology Formerly: Min. Electr. & Mech. Eng. (GB)
Association of Mining Electrical & Mechanical Engineers Marylebone Press Ltd., 25 Cross Street, Manchester M2 1WL, England

Mind Your Own Bus. (GB) (vol.4, no.6 June 1981—)
Coden: MYOBD4 ISSN 0143-1374
Mind Your Own Business Cairnmark Ltd., The Workhouse, 106 Church Road, London SE19 2UB, England

Mini-Micro Software (GB) (vol.4, no.2 1979—)
Coden: MMSFDK ISSN 0308-3314
Mini-Micro Software Formerly: Small Syst. Software (GB)
A.P. Publications Ltd., 322 St. John Street, London EC1V 4QH, England

Mini-Micro Syst. (USA) (vol.9, no.7 July 1976—)
Coden: MISYDF ISSN 0364-9342
Mini-Micro Systems Formerly: Mod. Data (USA)
Cahners Publishing Co., 221 Columbus Avenue, Boston, MA 02116, USA

Minicomput. Rev. (USA) (vol.5, no.2 1978—)
Coden: MINRD3 ISSN 0093-2302
Minicomputer Review GML Corp., 594 Marrett Road, Lexington, MA 02173, USA

†**Minor Planet Circ. (USA)** (no.4391-4424 1 Aug. 1978—)
Coden: MPCIB2 ISSN 0736-6884
Minor Planet Circulars/Minor Planets and Comets Minor Planet Center, Smithsonion Astrophysical Observatory, Cambridge, MA 02138, USA

Minoseg & Megbizhatosag (Hungary) (vol.5, no.2 April 1971—)
Coden: MMMEDL ISSN 0580-4485
Minoseg es Megbizhatosag KG-Informatik, 1372 Budapest V, Arany Janos U. 22, Hungary. Subscription address: Kultura, Budapest 1, Fo u. 32

Mitsubishi Denki Giho (Japan) (vol.51, no.10 1977—)
Coden: MTDNAF ISSN 0369-2302
Mitsubishi Denki Giho Mitsubishi Electric Corp., Mitsubishi Denki Building, Marunouchi, Tokyo 100, Japan

Mitsubishi Denki Giho (Mitsubishi Denki Technical Review)
See: Mitsubishi Denki Giho (Japan)

Mitsubishi Denki Lab. Rep. (Japan) (1968—)
Coden: MDLRAN ISSN 0026-6795
Mitsubishi Denki Laboratory Reports Research Laboratory, Mitsubishi Electric Manufacturing Company, Amagasaki, Japan

Mitsubishi Denki Tech. Rev.
See: Mitsubishi Denki Giho (Japan)

Mitsubishi Electr. Adv. (Japan) (vol.1, no.9 Sept. 1977—)
Coden: MEADD4 ISSN 0386-5096
Mitsubishi Electric Advance Mitsubishi Electric Corp., Mitsubishi Denki Building, Marunouchi, Tokyo 100, Japan

Mitsubishi Tech. Bull. (Japan) (1983—)
Coden: MJKKA5 ISSN 0540-469X
Mitsubishi Technical Bulletin Mitsubishi Heavy Industries Ltd., 2-5-1 Marunouchi, Chiyoda-ku, Tokyo 100, Japan

Mitsui Tech. Rev. (Japan) (no.72 1970—)
Coden: MIZGAR
Mitsui Technical Review Title changed to: Mitsui Zosen Tech. Rev. (Japan)

Mitsui Zosen Tech. Rev. (Japan) (no.109 1981—)
Coden: MIZGAR ISSN 0026-6825
Mitsui Zosen Technical Review Formerly: Mitsui Tech. Rev. (Japan)
Mitsui Engineering & Shipbuilding Co. Ltd., 6-4, Tsukiji 5-chome, Chuo-ku, Tokyo, Japan

Mitt. AGEN (Switzerland) (1968—)
Coden: AENMAT ISSN 0378-1291
Mitteilungen der Arbeitsgemeinschaft fur Elektrische Nachrichtentechnik der Stiftung Hasler-Werke, Bern Geschaftsstelle der AGEN Institut fur Technische Physik, ETH-Aussenstation, Honggerberg Postfach, 8049 Zurich, Switzerland

Mitt. Astron. Ges. (Germany) (no.40 1976—)
Coden: MASGC6 ISSN 0172-5483
Mitteilungen der Astronomischen Gesellschaft Astronomisches Institut der Universitat Tubingen, Tubingen, Germany

Miyazaki Daigaku Kogakubu Kenkyu Hokoku
See: Bull. Fac. Eng. Miyazaki Univ. (Japan)

Miyazaki Univ. Fac. Eng. Bull.
See: Bull. Fac. Eng. Miyazaki Univ. (Japan)

MNI Microcomput. News Int. (GB) (vol.5, no.11 Jan. 1982—)
Coden: MNEIDY ISSN 0260-8472
MNI Microcomputer News International Title changed to: Integrated Circuits Int. (GB)

Mod. Data (USA) (vol.4, no.10 Oct. 1971—)
Coden: MDATB9
Modern Data Title changed to: Mini-Micro Syst. (USA)

Mod. Geol. (GB) (vol.1, no.1 Nov. 1969—)
Coden: MOGEB3 ISSN 0026-7775
Modern Geology Gordon & Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England

Mod. Mach. Shop (USA) (vol.49, no.8 Jan. 1977—)
Coden: MMASAY ISSN 0076-9991
Modern Machine Shop Gardner Publications Inc., 600 Main Street, Cincinnati, OH 45202, USA

Mod. Mater. Handl. (USA) (vol.23, no.12 Dec. 1968—)
Coden: MMHHA2 ISSN 0026-8038
Modern Materials Handling Cahners Publishing Co., 221 Columbus Avenue, Boston, MA 02116, USA

Mod. Off. & Data Manage. (Australia) (vol.i5, no.3 Feb. 1976—)
Coden: MODMDE ISSN 0311-7731
Modern Office & Data Management Title changed to: Mod. Off. (Australia)

Mod. Off. (Australia) (vol.21, no.7 Aug. 1982—)
Coden: MOOFDE ISSN 0810-9451
Modern Office Formerly: Mod. Off. & Data Manage. (Australia)
Rydge Publications Pty. Ltd., 72 Clarence Street, Sydney, NSW 2000, Australia

Mod. Off. Procedures (USA) (vol.27, no.7 July 1982—)
Coden: MOPRDL ISSN 0026-8208
Modern Office Procedures Title changed to: Mod. Off. Technol. (USA)

Mod. Off. Technol. (USA) (vol.28, no.10 Oct. 1983—)
ISSN 0026-8208
Modern Office Technology Formerly: Mod. Off. Procedures (USA)
Penton/IPC Inc., 1111 Chester Avenue, Cleveland, OH 44114, USA

Mod. Power & Eng. (Canada) (vol.64, no.15 May 1970—)
Coden: MPENAQ ISSN 0026-8313
Modern Power and Engineering Maclean-Hunter Ltd., 481 University Avenue, Toronto M5W 1A7, Canada

Mod. Power Syst. (USA) (vol.1, no.1 Jan. 1981—)
Coden: MPSYDU ISSN 0260-7840
Modern Power Systems Formerly: Energy Int. (USA)
Miller Freeman Publications, 500 Howard Street, San Francisco, CA 94105, USA

†**Modeling, Identification & Control (Norway)** (vol.1, no.1 1980—)
Coden: MIDCDA ISSN 0332-7353
Modeling, Identification and Control Royal Norwegian Council for Scientific and Industrial Research, Division of Engineering Cybernetics, NTH, N-7034 Trondheim, Norway

Mol. Cryst. & Liq. Cryst. (GB) (vol.5, no.4 May 1969—)
Coden: MCLCA5 ISSN 0026-8941
Molecular Crystals and Liquid Crystals Formerly: Mol. Cryst. (GB)
Gordon & Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2N 4DE, England

Mol. Cryst. & Liq. Cryst. Lett. (GB) (vol.34, no.1 1976—)
Coden: MCLCA5 ISSN 0140-6566
Molecular Crystals and Liquid Crystals Letters Gordon & Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England

Mol. Cryst. & Liq. Cryst. Suppl. Ser. (GB) (suppl. 1 1982—)
Coden: MCLCA5 ISSN 0026-8941
Molecular Crystals and Liquid Crystals Supplement Series Gordon & Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England

Mol. Cryst. (GB) (1968—)
Coden: MOCRAL
Molecular Crystals Title changed to: Mol. Cryst. & Liq. Cryst. (GB)

†**Mol. Phys. (GB)** (1968—)
Coden: MOPHAM ISSN 0026-8976
Molecular Physics Taylor & Francis Ltd., 4 John Street, London WC1N 2ET, England

†**Mon. Not. R. Astron. Soc. (GB)** (1968—)
Coden: MNRAA4 ISSN 0035-8711
Monthly Notices of the Royal Astronomical Society Burlington House, London, W1V ONL, England

Mon. Notes Astron. Soc. South Afr. (S. Africa) (1968—)
Coden: MASAAK ISSN 0024-8266
Monthly Notes of the Astronomical Society of Southern Africa South African Astronomical Observatory, P.O. Box 9. Observatory, Cape, South Africa

Mon. Weather Rev. (USA) (vol.110, no.1 Jan. 1982—)
Coden: MWREAB ISSN 0027-0644
Monthly Weather Review American Meteorological Society, 45 Beacon Street, Boston, MA 02108, USA

Monitor (Australia) (vol.37, no.1 Jan.-Feb. 1976—)
Coden: MONIDI ISSN 0314-4321
Monitor Formerly: Proc. Inst. Radio & Electron. Eng. Aust. (Australia)
Institution of Radio & Electronics Engineers Australia, Science Centre, 35-43 Clarence Street, Sydney, NSW 2000, Australia

Monitor (GB) (no.12 Feb. 1982—)
Coden: MONRDB ISSN 0260-6666
Monitor Learned Information Ltd., Besselsleigh Road, Abingdon, Oxford OX13 6LG, England

†**Moon & Planets (Netherlands)** (vol.18, no.1 Feb. 1978—)
Coden: MOPLD3 ISSN 0165-0807
Moon and the Planets Formerly: Moon (Netherlands)
D. Reidel Publishing Co., P.O. Box 17, 3300 AA Dordrecht, Netherlands

Moon (Netherlands) (vol.1, no.1 Nov. 1969—)
Coden: MOONB2
Moon Title changed to: Moon & Planets (Netherlands)

Morsk. Gidrofiz. Issled. (USSR) (no.4 1971—)
Coden: MGFIBM ISSN 0581-1899
Morskie Gidrofizicheskie Issledovaniya Akademiya Nauk UkSSR, Morskoi Gidrofizicheskie Institut, Sevastopol, USSR

Moscow Univ. Comput. Math. & Cybern. (USA) (no.1 1978—)
Coden: MUCTD4
Moscow University Computational Mathematics and Cybernetics [Translation of: *Vestn. Mosk. Univ. Ser. 15 (USSR)*] Allerton Press Inc., 150 Fifth Avenue, New York, NY 10011, USA

Moscow Univ. Phys. Bull. (USA) (vol.21, no.5 Sept.-Oct. 1966—)
Coden: MUPBAC ISSN 0027-1349
Moscow University Physics Bulletin [Translation of: *Vestn. Mosk. Univ. Ser. 3 (USSR)*] Allerton Press Inc., 150 Fifth Avenue, New York, NY 10011, USA

Mosk. Univ. Vestn. Ser. 1
See: Vestn. Mosk. Univ. Ser. 1 (USSR)

Mosk. Univ. Vestn. Ser. 15
See: Vestn. Mosk. Univ. Ser. 15 (USSR)

Mosk. Univ. Vestn. Ser. 3
See: Vestn. Mosk. Univ. Ser. 3 (USSR)

Mot. Ship (GB) (vol.49, no.583 Feb. 1969—)
Coden: MOSHA3 ISSN 0027-2000
Motor Ship IPC Business Press Ltd., Quadrant House, The Quadrant, Sutton, Surrey SM2 5AS, England

Motorola Tech. Dev. (USA) (vol.2 Jan. 1982—)
Coden: MTDEDP
Motorola Technical Developments Motorola Inc., Schaumburg, IL 60196, USA

Motorola Tech. Disclosure Bull. (USA) (vol.1, no.1 Aug. 1980—)
Motorola Technical Disclosure Bulletin Schaumburg, IL 60196, USA

MSN Microwave Syst. News (USA) (vol.9, no.4 April 1979—)
Coden: MWSNA9 ISSN 0164-3371
MSN Microwave Systems News Formerly: Microwave Syst. News (USA)
EW Communications Inc., 1170 East Meadow Drive, Palo Alto, CA 94303, USA

MSR (Mess. Steuern Regeln) (Germany) (vol.20, no.2 Feb. 1977—)
Coden: MSRGAN ISSN 0026-0347
MSR (Messen Steuern Regeln) Formerly: Mess. Steuern Regeln mit Automatisierungsprax. (Germany)
VEB Verlag Technik, DDR 102 Berlin, Oranienburger Strasse 13/14, Germany

MT Meerestech. (Germany) (vol.9, no.1 Feb. 1978—)
Coden: MRTKA4 ISSN 0025-8644
MT Meerestechnik (Marine Techology) Formerly: Mar. Technol. (Germany)
VDI-Verlag, 4 Dusseldorf 1, Graf-Recke-Strasse 84, Postfach 1139, Germany

Mullard Tech. Commun. (GB) (1968—)
Coden: MUTCAZ
Mullard Technical Communications Merged with Electron. Appl. Bull. (Netherlands) to form Electron. Components & Appl. (Netherlands)

Multidisciplinary Res. (USA) (vol.3, pt.1 Sept. 1974—)
Coden: MRINCS ISSN 0098-8553
Multidisciplinary Research International Multidisciplinary Research Association, Editorial address: Physiology Section, Blake College, 300 Jefferson Street, Eugene, OR 97403, USA

Multilingua (Netherlands) (vol.1, no.1 1982—)
Coden: MULTDF ISSN 0167-8507
Multilingua Mouton Publishers, Amsteldijk 166, 1079 LH Amsterdam, Netherlands. Subscription address: Walter de Gruyter & Co., Postfach 110240, D-1000 Berlin 11, Germany

Mundo Electron. (Spain) (no.32 July 1974—)
Coden: MUELCN ISSN 0300-3787
Mundo Electronico Boixareau Editores, S.A., Gran Via de les Corts Catalanes 594, 2 Barcelona 7, Spain

N.Z. Electr. J. (New Zealand) (vol.41, no.8 Aug. 1968—)
Coden: NZEJAR
New Zealand Electrical Journal Title changed to: N.Z. Energy J. (New Zealand)

N.Z. Electr. Supply Auth. Eng. Inst. Trans.
See: Trans. Electr. Supply Auth. Eng. Inst. N.Z. (New Zealand)

N.Z. Electron. Rev. (New Zealand) (vol.14 Nov. 1981—)
Coden: NZERBI ISSN 0549-026X
New Zealand Electronics Review National Electronics Development Association (N.Z.) Inc., P.O.Box 5092, Wellington, New Zealand

N.Z. Energy J. (New Zealand) (vol.47, no.11 25 Oct. 1974—)
Coden: NZEJDU
New Zealand Energy Journal Formerly: N.Z. Electr. J. (New Zealand) Title changed to: Energy J. (New Zealand)

N.Z. Eng. (New Zealand) (1968—)
Coden: NZENA5 ISSN 0028-808X
New Zealand Engineering (Journal of the New Zealand Institution of Engineers) Title changed to: N.Z. Eng. (New Zealand)

N.Z. Eng. (New Zealand) (vol.37, no.3 1982—)
Coden: NZENA5 ISSN 0028-808X
New Zealand Engineering Formerly: N.Z. Eng. (New Zealand)
Institution of Professional Engineers New Zealand, P.O.Box 12241, Molesworth House, Molesworth Street, Wellington, New Zealand

N.Z. Inst. Eng. Inc. Trans. Civ. Eng. Sect.
See: Trans. N.Z. Inst. Eng. Inc. Civ. Eng. Sect. (New Zealand)

N.Z. Inst. Eng. Inc. Trans. Electr./Mech./Chem. Eng. Sect.
See: Trans. N.Z. Inst. Eng. Inc. Electr./Mech./Chem. Eng. Sect. (New Zealand)

N.Z. J. Sci. (New Zealand) (1968—)
Coden: NZJSAB ISSN 0028-8365
New Zealand Journal of Science Science Information Division, DSIR, P.O.Box 9741, Wellington, New Zealand

N.Z. Oper. Res. (New Zealand) (vol.10, no.1 Jan. 1982—)
Coden: NZORD2 ISSN 0110-6392
New Zealand Operational Research Operational Research Society of New Zealand (Inc.), P.O.Box 904, Wellington, New Zealand

Nachr. Dok. (Germany) (vol.21, no.2 April 1970—)
Coden: NADOAW ISSN 0027-7436
Nachrichten fur Dokumentation Deutsche Gesellschaft fur Dokumentation, 6000 Frankfurt am Main, Westendstrasse 19, Germany

Nachr. Elektron. + Telematik (Germany) (vol.36, no.10 Oct. 1982—)
Coden: NETEDB ISSN 0341-4035
Nachrichten Elektronik + Telematik Formerly: Nachr. Elektron. (Germany)
Dr. Alfred Huhtig Verlag GmbH, Im Weiher 10, Postfach 10 28 69, 6900 Heidelberg 1, Germany

Nachr. Elektron. (Germany) (vol.30, no.1 Jan. 1976—)
Coden: NAELDV ISSN 0341-4035
Nachrichten Elektronik Formerly: Int. Elektron. Rundsch. (Germany) Title changed to: Nachr. Elektron. + Telematik (Germany)

Nachr. Telefonbau & Normalzeit (Germany) (no.67 1967—)
Coden: NTNZAA ISSN 0495-0216
Nachrichten der Telefonbau und Normalzeit Postfach 2369, 6 Frankfurt am Main 1, Germany

†**Nachrichtentech. Elektron. (Germany)** (vol.23, no.1 1973—)
Coden: NTELAP ISSN 0092-668X
Nachrichtentechnik Elektronik Formerly: Nachrichtentechnik (Germany)
VEB Verlag Technik, DDR 1020 Berlin, Oranienburger Strasse 13/14, Germany

Nachrichtentech. Fachber. (NTF) (Germany) (1968—)
Coden: NAFAAY
Nachrichtentechnische Fachberichte (NTF) Title changed to: NTG-Fachber. (Germany)

†**Nachrichtentech. Z. (NTZ) (Germany)** (1968—)
Coden: NAZEAA ISSN 0027-707X
Nachrichtentechnische Zeitschrift VDE-Verlag GmbH, Bismarckstrasse 33, 1000 Berlin 12, Germany

Nachrichtentechnik (Germany) (1968—)
Coden: NACHA6
Nachrichtentechnik Title changed to: Nachrichtentech. Elektron. (Germany)

Nagaoka Kogyo Koto Senmon Gakko Kenkyu Kiyo
See: Res. Rep. Nagaoka Tech. Coll. (Japan)

Nagaoka Tech. Coll. Res. Rep.
See: Res. Rep. Nagaoka Tech. Coll. (Japan)

Nagasaki Daigaku Kogakubu Kenkyu Hokoku
See: Rep. Fac. Eng. Nagasaki Univ. (Japan)

Nagasaki Univ. Fac. Eng. Rep.
See: Rep. Fac. Eng. Nagasaki Univ. (Japan)

Nagoya Daigaku Kogakubu Jido Seigyo Kenkyu Shisetsu Hokoku
See: Res. Rep. Autom. Control Lab. Fac. Eng. Nagoya Univ. (Japan)

Nagoya Inst. Technol. Bull.
See: Bull. Nagoya Inst. Technol. (Japan)

Nagoya Kogyo Daigaku Gakuho
See: Bull. Nagoya Inst. Technol. (Japan)

Nagoya Kogyo Gijutsu Shikensho Hokoku
See: Rep. Gov. Ind. Res. Inst. Nagoya (Japan)

Nagoya Univ. Cosmic-Ray Res. Lab. Proc.
See: Proc. Cosmic-Ray Res. Lab. Nagoya Univ. (Japan)

Nagoya Univ. Fac. Eng. Autom. Control Lab. Res. Rep.
See: Res. Rep. Autom. Control Lab. Fac. Eng. Nagoya Univ. (Japan)

Nagoya Univ. Fac. Eng. Mem.
See: Mem. Fac. Eng. Nagoya Univ. (Japan)

Nagoya Univ. Res. Inst. Atmos. Proc.
See: Proc. Res. Inst. Atmos. Nagoya Univ. (Japan)

Nanjing Inst. Technol. J.
See: J. Nanjing Inst. Technol. (China)

Nat. Resour. Forum (Netherlands) (vol.1, no.1 Oct. 1976—)
Coden: NRSFAT ISSN 0165-0203
Natural Resources Forum D. Reidel Publishing Co., P.O. Box 17, 3300 AA Dordrecht, Netherlands

Natl. Acad. Sci. India Proc. Sect. A
See: Proc. Natl. Acad. Sci. India Sect. A

Natl. Acad. Sci. Lett. (India) (vol.1, no.4 April 1978—)
Coden: NASLDX ISSN 0250-541X
National Academy Science Letters National Academy of Sciences, India, 5-Lajpat Rai Road, Allahabad 21 10 02, India

Natl. Acad. Sci. USA Proc.
See: Proc. Natl. Acad. Sci. USA

Natl. Bur. Stand. J. Res.
See: J. Res. Natl. Bur. Stand. (USA)

Natl. Contract Manage. J. (USA) (1983—)
National Contract Management Journal National Contract Management Association, 6728 Old McLean Village Drive, McLean, VA 22101, USA

Natl. Def. Acad. (Jpn.) Sci. & Eng. Rep.
See: Sci. & Eng. Rep. Natl. Def. Acad. (Jpn.) (Japan)

Natl. Def. Acad. Mem.
See: Mem. Natl. Def. Acad. (Japan)

Natl. Electron. Rev. (GB) (vol.7, no.2 March-April 1971—)
Coden: NEREBX ISSN 0305-2257
National Electronics Review Formerly: NEC Rev. (GB)
National Electronics Council, Abell House, John Islip Street, London, SW1P 4LN, England

Natl. Res. Counc. Thailand J.
See: J. Natl. Res. Counc. Thailand

Natl. Res. Inst. Met. Trans.
See: Trans. Natl. Res. Inst. Met. (Japan)

Natl. Res. Lab. Metrol. Bull.
See: Bull. NRLM (Japan)

Natl. Tech. Rep. (Japan) (vol.14, no.5 Oct. 1968—)
Coden: NTROAV ISSN 0028-0291
National Technical Report Matsushita Electric Ind. Co. Ltd., Moriguchi, Osaka, Japan

Nature (GB) (1968—)
Coden: NATUAS ISSN 0028-0836
Nature Macmillan Journals Ltd., 4 Little Essex Street, London WC2R 3LF, England. Incorporates Nature (Phys. Sci.) (GB)

Nature (Phys. Sci.) (GB) (vol.229, no.1 4 Jan. 1971—)
Coden: NPSCA6
Nature (Physical Science) Incorporated with Nature (GB) from 1974

Naturwissenschaften (Germany) (1968—)
Coden: NATWAY ISSN 0028-1042
Die Naturwissenschaften Springer-Verlag, Heidelberger Platz 3, D-1000 Berlin 33, Germany

Nauchno-Tekh. Inf. Ser. 1 (USSR) (no.9 1969—)
Coden: NTOMAA
Nauchno-Tekhnicheskaya Informatsiya, Seriya 1 Baltiiskaya ul., D 14, 125219 Moskva, USSR

Nauchno-Tekh. Inf. Ser. 2 (USSR) (no.10 1969—)
Coden: NIPSBP ISSN 0548-0027
Nauchno-Tekhnicheskaya Informatsiya, Seriya 2 Baltiiskaya ul., D 14, 125219 Moskva, USSR

Nauk. & Inf. (USSR) (no.5 1972—)
Coden: NVIFB8 ISSN 0374-3896
Naukovedenie i Informatika Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR

Nav. Res. Logist. Q. (USA) (vol.18, no.1 March 1971—)
Coden: NRLQAR ISSN 0028-1441
Naval Research Logistics Quarterly Office of Naval Research, Arlington, VA 22217, USA. Subscription address: Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402

Nav. Res. Rev. (USA) (vol.22, no.1 Jan. 1969—)
Coden: NARRA9 ISSN 0028-145X
Naval Research Reviews Department of the Navy, Office of Naval Research, Arlington, VA 22217, USA

Navigation (France) (vol.19, no.76 Oct. 1971—)
Coden: NVGNAL ISSN 0028-1530
Navigation Institut Francaise de Navigation, 3 avenue Octave-Greard, 75340 Paris Cedex 07, France

Navigation (USA) (vol.20, no.3 Fall 1973—)
Coden: NAVIB3 ISSN 0028-1522
Navigation. Journal of the Institute of Navigation Institute of Navigation, Suite 832, 815 15th Street, N.W., Washington, DC 20005, USA

†**NDT Int. (GB)** (vol.9, no.4 Aug. 1976—)
Coden: NDETA5 ISSN 0308-9126
NDT International Formerly: Non-Destr. Test. (GB)
Butterworth Scientific Ltd., Journals Division, P.O.Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England

NEA Data Bank Newsl.
See: Newsl. NEA Data Bank (France)

†**NEC Res. & Dev. (Japan)** (no.11 April 1968—)
Coden: NECRAU ISSN 0547-051X
NEC Research and Development Nippon Electric Co. Ltd., 33-1, Shiba 5-chome, Minato-ku, Tokyo 108, Japan

NEC Rev. (GB) (vol.5, no.3 July 1969—)
Coden: NERVBG
NEC Review Title changed to: Natl. Electron. Rev. (GB)

Ned. Tijdschr. Natuurkd. (Netherlands) (1968—)
Coden: NTNKAX
Nederlands Tijdschrift voor Natuurkunde Title changed to: Ned. Tijdschr. Natuurkd. A (Netherlands)

Ned. Tijdschr. Natuurkd. A (Netherlands) (vol.43A, no.1 Feb. 1977—)
Coden: NTNAD6 ISSN 0378-6374
Nederlands Tijdschrift voor Natuurkunde A Formerly: Ned. Tijdschr. Natuurkd. (Netherlands)
Nederlandse Natuurkundige Vereniging, Princetonplein 5, 3508 TA Utrecht, Netherlands

NEI Rev. (GB) (vol.1, no.1 Summer 1978—)
Coden: NEIRDT ISSN 0264-5556
NEI Review Formerly: Reyrolle Parsons Rev. (GB)
Northern Engineering Industries Ltd., Hebburn, Tyne & Wear NE31 1UP, England

Network (GB) (vol.1, no.1 Aug. 1980—)
Coden: NETWDV ISSN 0140-8259
Network 121 Derby Road, Canning Circus, Nottingham, England

†**Networks (USA)** (vol.1, no.1 1971—)
Coden: NTWKAA ISSN 0028-3045
Networks John Wiley & Sons Inc., 605 Third Avenue, New York, NY 10158, USA

Neue Tech. (Switzerland) (1968—)
Coden: NETEA8 ISSN 0028-3398
Neue Technik Diagonal Verlags AG, Zuricherstrasse 63, 5400 Baden, Switzerland

Neue Tech. Buero (Germany) (vol.15, no.2 April 1971—)
Coden: NTBUB4
Neue Technik im Buro (Journal of Data Processing and Office Machines) Title changed to: Neue Tech. Buero (Germany)

Neue Tech. Buero (Germany) (vol.25, no.5 Sept.-Oct. 1981—)
ISSN 0323-8474
Neue Technik im Buro (Journal of Information Processing) Formerly: Neue Tech. Buero (Germany)
VEB Kombinat Robotron, DDR-8012 Dresden, Grunaer Strasse 2, Germany

New Electron. (GB) (vol.5, no.20 17 Oct. 1972—)
Coden: NWELAC ISSN 0047-9624
New Electronics Juniper Journals Ltd., 49/50 Hatton Garden, London, EC1N 8XS, England

New Phys. (Korean Phys. Soc.) (vol.11, no.1 March 1971—)
Coden: NWPYA4 ISSN 0374-4914
New Physics (Korean Physical Society) Korea Institute for Industrial Economics & Technology, P.O.Box 205, Chungryang, Seoul, Korea

New Sci. (GB) (vol.44, no.679 11 Dec. 1969—)
Coden: NWSCAL ISSN 0028-6664
New Scientist New Science Publications, Commonwealth House, 1-19 New Oxford Street, London WC1A 1NG, England. Incorporates Sci. J. (GB)

Newcastle-upon-Tyne Univ. Philos. Soc. Proc.
See: Proc. Univ. Newcastle-upon-Tyne Philos. Soc. (GB)

News Rohde & Schwarz (Germany) (vol.8, no.30 1968—)
Coden: NROSAE ISSN 0028-9108
News from Rohde and Schwarz Rohde and Schwarz, Muhldorfstrasse 15, Postfach 801469, 8000 Munchen 80, Germany

Newsl. NEA Data Bank (France) (no.23 Nov. 1979—)
Coden: NNEBDO ISSN 0253-2506
Newsletter of the NEA Data Bank Nuclear Energy Agency, NEA Data Bank, B.P. No. 9 (Bat. 45), F-91190 Gif sur Yvette, France

NHK Gijutsu Kenkyu
See: NHK Tech. J. (Japan)

NHK Lab. Note (Japan) (1968—)
Coden: NHKLA5 ISSN 0027-657X
NHK Laboratories Note Nippon Hoso Kyokai, 1-10-11 Kinuta, Setagaya-ku, Tokyo, Japan

†**NHK Tech. J. (Japan)** (vol.22, no.1 1970—)
Coden: NHKTAT ISSN 0027-6553
NHK Technical Journal Formerly: Tech. J. Jap. Broadcast. Corp. (Japan)
NHK Technical Research Laboratories, Broadcasting Science Research Laboratories, 1-10-11 Kinuta, Setagaya-ku, Tokyo, Japan

NHK Tech. Monogr. (Japan) (1968—)
Coden: NHOKAM ISSN 0077-2631
NHK Technical Monograph Nippon Hoso Kyokai (Japan Broadcasting Corporation), 361 Kinuta-machi, Setagaya-ku, Tokyo, Japan

Nihon Daigaku Rikogaku Kenkyusho Shoho
See: J. Res. Inst. Sci. & Technol. Nihon Univ. (Japan)

Nihon Genshiryoku Gakkaishi
See: J. At. Energy Soc. Jpn. (Japan)

Nihon Kinzoku Gakkaishi
See: J. Jpn. Inst. Met. (Japan)

Nihon Koku Uchu Gakkaishi
See: J. Jpn. Soc. Aeronaut. & Space Sci. (Japan)

Nihon Onkyo Gakkaishi
See: J. Acoust. Soc. Jpn. (Japan)

Nihon Onkyo Gakkaishi
See: J. Acoust. Soc. Jpn. (E) (Japan)

Nihon Tokei Gakkaishi
See: J. Horol. Inst. Jpn. (Japan)

Nihon Univ. Res. Inst. Sci. & Technol. J.
See: J. Res. Inst. Sci. & Technol. Nihon Univ. (Japan)

Nihon Univ. Res. Inst. Sci. Technol. Rep.
See: Rep. Res. Inst. Sci. & Technol. Nihon Univ. (Japan)

Nippon Electr. Co. Res. & Dev.
See: NEC Res. & Dev. (Japan)

Nippon Hoso Kyokai Lab. Note
See: NHK Lab. Note (Japan)

Nippon Hoso Kyokai Tech. J.
See: NHK Tech. J. (Japan)

Nippon Hoso Kyokai Tech. Monogr.
See: NHK Tech. Monogr. (Japan)

NLL Rev. (GB) (vol.1, no.3 July 1971—)
Coden: NLLRBN
NLL Review Title changed to: BLL Rev. (GB)

Noise & Vib. Control Worldwide (GB) (vol.11, no.2 Feb. 1980—)
Coden: NVCWDV ISSN 0143-6481
Noise & Vibration Control Worldwide Formerly: Noise Control Vib. Isol. (GB)
Trade & Technical Press Ltd., Crown House, Morden, Surrey SM4 5EW, England

Noise Control & Vib. Reduct. (GB) (vol.3, no.1 March 1972—)
Coden: NCVRA9
Noise Control and Vibration Reduction Title changed to: Noise Control Vib. & Insul. (GB)

Noise Control Eng. (USA) (vol.2, no.1 Winter 1974—)
Coden: NCEGAR ISSN 0093-9978
Noise Control Engineering Title changed to: Noise Control Eng. J. (USA)

Noise Control Eng. J. (USA) (vol.19, no.3 Nov.-Dec. 1982—)
Coden: NCEJD5 ISSN 0093-9978
Noise Control Engineering Journal Formerly: Noise Control Eng. (USA)
Institute of Noise Control Engineering, P.O.Box 3206 Arlington Branch, Poughkeepsie, NY 12603, USA

Noise Control Vib. & Insul. (GB) (vol.6, no.10 Oct. 1975—)
Coden: NCVIDJ
Noise Control, Vibration and Insulation Formerly: Noise Control & Vib. Reduct. (GB) Title changed to: Noise Control Vib. Isol. (GB)

Noise Control Vib. Isol. (GB) (vol.9, no.1 Jan. 1978—)
Coden: NCISDI ISSN 0142-0933
Noise Control, Vibration Isolation Formerly: Noise Control Vib. & Insul. (GB) Title changed to: Noise & Vib. Control Worldwide (GB)

Non-Destr. Test. (GB) (vol.2, no.2 May 1969—)
Coden: NDETA5
Non-Destructive Testing Title changed to: NDT Int. (GB)

Nondestr. Test. Commun. (GB) (vol.1, no.2 1983—)
ISSN 0278-0895
Nondestructive Testing Communications Gordon and Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England

Nonlinear Anal. Theory, Methods & Appl. (GB) (vol.1, no.2 1977—)
Coden: NOANDD ISSN 0362-546X
Nonlinear Analysis Theory, Methods & Applications Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Nonlinear Vibr. Probl. (Poland) (no.18 1977—)
Coden: NLVBAO ISSN 0044-1597
Nonlinear Vibration Problems (Zagadnienia Drgan Nieliniowych) Formerly: Zagadnienia Drgan Nieliniowych (Poland)
Editorial address: 00-049 Warszawa, Swietokrzyska 21, Poland

Nord. Datanytt Data (Denmark) (vol.14, no.4 14 March 1983—)
Coden: NODADN ISSN 0108-8009
Nordisk Datanytt med Data Formerly: Data (Denmark)
Box 113, 1004 Kobenhavn K, Denmark

Nord. Tidskr. Informationsbehandling
See: BIT (Sweden)

Norelco Rep. (USA) (vol.15, no.3-4 July-Dec. 1968—)
Coden: NORRA5 ISSN 0029-1625
Norelco Reporter Philips Electronic Instruments, 85 McKee Drive, Mahwah, NJ 07430, USA

North East Coast Inst. Eng. Shipbuild. Trans.
See: Trans. North East Coast Inst. Eng. Shipbuild. (GB)

North. Eng. Ind. Rev.
See: NEI Rev. (GB)

Not. Ist. Autom. Univ. Roma (Italy) (vol.2, no.2-3 Dec. 1971—)
Coden: NIAUAN ISSN 0374-387X
Notiziario dell'Istituto di Automatica dell'Universita di Roma Universita Degli Studi, Citta Universitaria, 00100 Rome, Italy

Note Recens. & Not. (Italy) (1968—)
Coden: NRNOAV ISSN 0374-3829
Note Recensioni e Notizie Istituto Superiore Poste e Telecomunicazioni, Viale Europa 160, 00100 Roma, Italy

Notre Dame J. Formal Logic (USA) (vol.12, no.3 July 1971—)
Coden: NDJFAM ISSN 0029-4527
Notre Dame Journal of Formal Logic University of Notre Dame, P.O. Box 5, Notre Dame, IN 46556, USA

Nouv. Autom. (France) (vol.23, no.9-10 Sept.-Oct. 1978—)
Coden: NOAUDY ISSN 0220-8482
Nouvel Automatisme Formerly: Automatisme (France)
5 Place du Colonel Fabien, 75491 Paris Cedex 10, France

Nouv. J. Chim. (France) (vol.2, no.1 Jan. 1978—)
Coden: NJCHD4 ISSN 0398-9836
Nouveau Journal de Chimie CDR Centrale des Revues, 70 rue de Saint-Mande, B.P. No. 119, 93104 Montreuil Cedex, France

Nouv. Rev. Opt. (France) (vol.4, no.1 Jan.-Feb. 1973—)
Coden: NVROBC
Nouvelle Revue d'Optique Formerly: Nouv. Rev. Opt. Appl. (France) Title changed to: J. Opt. (France)

Nouv. Rev. Opt. Appl. (France) (vol.1, no.1 Jan.-Feb. 1970—)
Coden: NROPB6
Nouvelle Revue d'Optique Appliquee Formerly: Rev. Opt. (France) Title changed to: Nouv. Rev. Opt. (France)

NRCd Bull. (GB) (vol.5, no.2 Spring 1972—)
Coden: NRDBBB
NRCd Bulletin Title changed to: Reprogr. Q. (GB)

NTG-Fachber. (Germany) (vol.51 1975—)
Coden: NTGFDK ISSN 0341-0196
NTG-Fachberichte Formerly: Nachrichtentech. Fachber. (NTF) (Germany)
VDE-Verlag GmbH, 1000 Berlin 12, Bismarckstrasse 33, Germany

NTZ Arch. (Germany) (vol.4, no.1 Jan. 1982—)
Coden: NTZADW ISSN 0170-172X
NTZ Archiv VDE-Verlag GmbH, Bismarckstrasse 33, D-1000 Berlin 12, Germany

Nucl. & Chem. Waste Manage. (GB) (vol.2, no.1 1981—)
Coden: NCWMD2 ISSN 0191-815X
Nuclear and Chemical Waste Management Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW, England

Nucl. Active (S. Africa) (no.27 July 1982—)
Coden: NULABZ ISSN 0048-1025
Nuclear Active Atomic Energy Corporation of South Africa Ltd., P.O.Box 78687, Sandton 2146, Transvaal, South Africa

Nucl. Appl. & Technol. (USA) (vol.7, no.1 July 1969—)
Coden: NUATA2
Nuclear Applications and Technology Formerly: Nucl. Appl. (USA) Title changed to: Nucl. Technol. (USA)

Nucl. Appl. (USA) (1968—)
Coden: NUAPAO
Nuclear Applications Title changed to: Nucl. Appl. & Technol. (USA)

Nucl. Data A (USA) (1968—)
Coden: NDSAAI
Nuclear Data Section A Title changed to: Nucl. Data Tables (USA)

†Nucl. Data Sheets (USA) (vol.13, no.4 Dec. 1974—)
Coden: NDTSBA ISSN 0090-3752
Nuclear Data Sheets Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

Nucl. Data Tables (USA) (vol.9, no.6 Aug. 1971—)
Coden: NTXAAJ
Nuclear Data Tables Formerly: Nucl. Data A (USA). Merged with At. Data (USA) to form At. Data & Nucl. Data Tables (USA)

Nucl. Energy (GB) (vol.17, no.1 Jan. 1978—)
Coden: NUEGAH ISSN 0140-4067
Nuclear Energy Formerly: J. Br. Nucl. Energy Soc. (GB)
British Nuclear Energy Society, 1-7 Great George Street, London SW1P 3AA, England

Nucl. Eng. & Des. (Netherlands) (vol.8, no.1 July 1968—)
Coden: NEDEAU ISSN 0029-5493
Nuclear Engineering and Design North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

Nucl. Eng. (GB) (vol.21, no.3 May-June 1980—)
Coden: NUEND7 ISSN 0262-5091
Nuclear Engineer Formerly: J. Inst. Nucl. Eng. (GB)
Institution of Nuclear Engineers, 1 Penerley Road, London SE6 2LQ, England

Nucl. Eng. Int. (GB) (1968—)
Coden: NEINBF ISSN 0029-5507
Nuclear Engineering International Business Press International Ltd., Quadrant House, The Quadrant, Sutton, Surrey SM2 5AS, England

†Nucl. Fusion (Austria) (1968—)
Coden: NUFUAU ISSN 0029-5515
Nuclear Fusion (Fusion Nucleaire - Yadernyi Sintex Fusion Nuclear) Journal of Plasma Physics and Thermonuclear Fusion International Atomic Energy Agency, Wagramerstrasse 5, P.O.Box 100, A-1400 Vienna, Austria

†Nucl. Fusion Suppl. (Austria) (1981—)
Coden: NUFSAO
Nuclear Fusion Supplement Issued with: *Nucl. Fusion (Austria)*

Nucl. Instrum. & Methods (Netherlands) (1968—)
Coden: NUIMAL
Nuclear Instruments and Methods Title changed to: Nucl. Instrum. & Methods Phys. Res. (Netherlands)

†Nucl. Instrum. & Methods Phys. Res. (Netherlands) (vol.185, no.1-3 15 June 1981—)
Coden: NIMRD9 ISSN 0167-5087
Nuclear Instruments and Methods in Physics Research Formerly: Nucl. Instrum. & Methods (Netherlands)
North-Holland Publishing Co., P.O.Box 211, 1000 AE Amsterdam, Netherlands

Nucl. Mater. Manage. (USA) (vol.8, no.4 Winter 1979-1980—)
Coden: NUMMB8
Nuclear Materials Management Title changed to: J. Inst. Nucl. Mater. Manage. (USA)

Nucl. News (USA) (vol.13, no.3 March 1970—)
Coden: NUNWA8 ISSN 0029-5574
Nuclear News American Nuclear Society, 555 North Kensington Avenue, La Grange Park, IL 60525, USA

†Nucl. Phys. A (Netherlands) (1968—)
Coden: NUPABL ISSN 0029-5582
Nuclear Physics A North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

Nucl. Phys. B (Netherlands) (1968—)
Coden: NUPBBO ISSN 0029-5582
Nuclear Physics B Title changed to: Nucl. Phys. B, Part. Phys. (Netherlands)

†Nucl. Phys. B, Field Theory & Stat. Syst. (Netherlands) (vol.B205[FS5], no.3 28 June 1982—)
Coden: NBSSDR ISSN 0550-3213
Nuclear Physics B, Field Theory and Statistical Systems Issued with: *Nucl. Phys. B, Part. Phys. (Netherlands)*

†Nucl. Phys. B, Part. Phys. (Netherlands) (vol.B201, no.1 14 June 1982—)
Coden: NUPBBO ISSN 0550-3213
Nuclear Physics B, Particle Physics Formerly: Nucl. Phys. B (Netherlands)
North-Holland Publishing Co., P.O.Box 211, 1000 AE Amsterdam, Netherlands

Nucl. Saf. (USA) (vol.22, no.2 March-April 1981—)
Coden: NUSAAZ ISSN 0029-5604
Nuclear Safety Oak Ridge National Laboratory, P.O.Box Y, Oak Ridge, TN 37830, USA

†Nucl. Sci. & Eng. (USA) (1968—)
Coden: NSENAO ISSN 0029-5639
Nuclear Science and Engineering American Nuclear Society, 555 North Kensington Avenue, La Grange Park, IL 60525, USA

Nucl. Sci. Appl. Sect. A (Switzerland) (vol.1, no.1 1980—)
Coden: NSAPDD ISSN 0191-1686
Nuclear Science Applications, Section A Harwood Academic Publishers GmbH, Poststrasse 22, CH-7000 Chur, Switzerland

Nucl. Sci. Appl. Sect. B (Switzerland) (vol.1, no.4 1982—)
Coden: NSAPDD ISSN 0191-1686
Nuclear Science Applications, Section B Harwood Academic Publishers GmbH, Poststrasse 22, CH-7000 Chur, Switzerland

Nucl. Tech. (China) (no.1 Feb. 1981—)
Coden: NUTEDL ISSN 0253-3219
Nuclear Techniques Subscription address: Guozi Shudian, P.O.Box 399, Beijing, People's Republic of China

†Nucl. Technol. (USA) (vol.10, no.2 Feb. 1971—)
Coden: NUTYBB ISSN 0029-5450
Nuclear Technology Formerly: Nucl. Appl. & Technol. (USA)
American Nuclear Society, 555 North Kensington Avenue, La Grange Park, IL 60525, USA

†Nucl. Technol./Fusion (USA) (vol.1, no.1 Jan. 1981—)
Coden: NTFUDQ ISSN 0272-3921
Nuclear Technology/Fusion American Nuclear Society, 555 North Kensington Avenue, La Grange Park, IL 60525, USA

Nucl. Track Detect. (GB) (vol.1, no.1 1977—)
Coden: NTDED2
Nuclear Track Detection Title changed to: Nucl. Tracks Methods Instrum. & Appl. (GB)

Nucl. Tracks & Radiat. Meas. (GB) (vol.6, no.1 March 1982—)
Coden: NUTRDQ ISSN 0191-278X
Nuclear Tracks and Radiation Measurements Formerly: Nucl. Tracks Methods Instrum. & Appl. (GB)
Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW, England

Nucl. Tracks Methods Instrum. & Appl. (GB) (vol.3, no.1-2 March-June 1979—)
Coden: NUTRDQ ISSN 0191-278X
Nuclear Tracks, Methods, Instruments and Applications Formerly: Nucl. Track Detect. (GB) Title changed to: Nucl. Tracks & Radiat. Meas. (GB)

Nucleus (Pakistan) (vol.7, no.1-2 Jan.-April 1970—)
Coden: NCLEAM ISSN 0029-5698
Nucleus Pakistan Atomic Energy Commission, P.O. Box 3112, Karachi-29, Pakistan

Nukleonika (Poland) (1968—)
Coden: NUKLAS ISSN 0029-5922
Nukleonika Polska Akademia Nauk, 00-901 Warszawa, Polac Kultury i Nauki, Poland

Numer. Eng. (GB) (vol.3, no.1 Feb. 1982—)
Coden: NUMEDK ISSN 0143-8115
Numerical Engineering British Numerical Control Society, Rochester House, 66 Little Ealing Lane, London W5 4XX, England

Numer. Funct. Anal. & Optimiz. (USA) (vol.1, no.6 1979—)
Coden: NFAODL ISSN 0163-0563
Numerical Functional Analysis and Optimization Marcel Dekker Inc., 270 Madison Avenue, New York, NY 10016, USA

Numer. Heat Transfer (USA) (vol.1, no.1 Jan.-March 1978—)
Coden: NUHTD6 ISSN 0149-5720
Numerical Heat Transfer McGraw-Hill International Book Co., 1221 Avenue of the Americas, New York, NY 10020, USA

†Numer. Math. (Germany) (vol.15, no.4 1970—)
Coden: NUMMA7 ISSN 0029-599X
Numerische Mathematik Springer-Verlag, 1 Berlin 33, Heidelberger Platz 3, Germany

†Nuovo Cimento A (Italy) (1968—)
Coden: NIFAAM ISSN 0369-4097
Il Nuovo Cimento. A Societa Italiana di Fisica, vialle XII Guigno 1, 40124 Bologna, Italy

†Nuovo Cimento B (Italy) (1968—)
Coden: NIFBAP ISSN 0369-4100
Il Nuovo Cimento. B Societa Italiana di Fisica, vialle XII Guigno 1, 40124 Bologna, Italy

†Nuovo Cimento C (Italy) (vol.1C, ser.1, no.1 Jan.-Feb. 1978—)
Coden: NIFCAS ISSN 0390-5551
Il Nuovo Cimento C Societa Italiana di Fisica, vialle XII Guigno 1, 40124 Bologna, Italy

†Nuovo Cimento D (Italy) (vol.1D, no.1 Jan.-Feb. 1982—)
Coden: NIFDAV ISSN 0392-6737
Nuovo Cimento D Societa Italiana di Fisica, viale XII Giugno 1, 40124 Bologna, Italy

O & M Bull. (GB) (vol.25, no.2 May 1970—)
Coden: GTOMAZ
O and M Bulletin Title changed to: Manage. Serv. Gov. (GB)

Observatory (GB) (1968—)
Coden: OBSEAR ISSN 0029-7704
Observatory Royal Greenwich Observatory, Herstmonceux Castle, Hailsham, Sussex BN27 1RP, England

Occup. Health & Saf. (USA) (vol.45, no.3 May-June 1976—)
Coden: OHSADQ ISSN 0362-4064
Occupational Health and Safety Formerly: Int. J. Occup. Health & Saf. (USA)
Medical Publications Inc., P.O. Box 7573, Waco, TX 76710, USA

Ocean Eng. (GB) (vol.2, no.2 April 1971—)
Coden: OCENBQ ISSN 0029-8018
Ocean Engineering Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW, England

Oceanol. Acta (France) (vol.1, no.1 1977—)
Coden: OCACD9 ISSN 0399-1784
Oceanologica Acta Centrale des Revues Dunod-Gauthier-Villars, 70 rue de Saint-Mande, B.P. 119, 93104 Montreuil Cedex, France

Oceanology (USA) (vol.8, no.3 1968—)
Coden: ONLGAE ISSN 0029-8158
Oceanology [Translation of: *Okeanologiya (USSR)*] American Geophysical Union, 2000 Florida Avenue, N.W., Washington, DC 20009, USA

OEIAZ Oesterr. Ing.- & Archit.-Z. (Austria) (vol.127, no.1 Jan. 1982—)
Coden: OIAZDI ISSN 0721-9415
OIAZ Osterreichische Ingenieur- und Architekten-Zeitschrift Formerly: Oesterr. Ing.-Z. (Austria)
Springer-Verlag, A-1011 Wien, Postfach 367, Molkerbastei 5, Austria

Oelhydraul. & Pneum. (Germany) (1968—)
Coden: OEPNAQ ISSN 0341-2660
Olhydraulik und Pneumatik Krauskopf-Verlag fur Wirtschaft GmbH, Lessingstrasse 12-14, Postfach 2760, 65 Mainz, Germany

OEM Des. (GB) (vol.1, no.1 Oct. 1971—)
Coden: OEMDAF ISSN 0306-0381
OEM Design Mercury House Business Publications, Mercury House, Waterloo Road, London, SE1 8UL, England

OEP Off. Equip. & Prod. (Japan) (vol.10, no.1 1981—)
Coden: OEPRA4 ISSN 0387-5245
OEP Office Equipment & Products Dempa Publications Inc., 11-15, Higashi Gotanda 1-chome, Shinagawa-ku, Tokyo 141, Japan

Oesterr. Ing.-Z. (Austria) (1968—)
Coden: OSIZAN ISSN 0029-9219
Osterreichische Ingenieur-Zeitschrift Title changed to: OEIAZ Oesterr. Ing.- & Archit.-Z. (Austria)

Oesterr. Z. Elektrizitaetswirtsch. (OEZE) (Austria) (1968—)
Coden: OZELAA ISSN 0029-9618
Osterreichische Zeitschrift fur Elektrizitatswirtschaft Springer-Verlag, Molkerbastei 5, Postfach 357, A 1011 Wien, Austria

Off. Adm. & Autom. (USA) (vol.44, no.1 Jan. 1983—)
Coden: OAAUDF ISSN 0745-4325
Office Administration and Automation Geyer-McAllister Publications Inc., 51 Madison Avenue, New York, NY 10010, USA. Formed by merger of Adm. Manage. (USA) and Word Process. & Inf. Syst. (USA)

Off. Equip. & Prod.
See: OEP Off. Equip. & Prod. (Japan)

Off. Equip. Index (GB) (no.201 Aug. 1983—)
ISSN 0305-635X
Office Equipment Index Maclaren Publishers Ltd., P.O.Box 109, Croydon CR9 1QH, England

Off. Manage. (Germany) (vol.30, no.1 Jan. 1982—)
Coden: OFMADG ISSN 0343-2319
Office Management Formerly: Buerotechnik (Germany)
FBO GmbH, Postfach 3 16, Hermannstrasse 2, D-7570 Baden-Baden, Germany

Off. Syst. (GB) (1983—)
Office Systems IPC Electrical-Electronic Press Ltd., Quadrant House, Sutton, Surrey SM2 5AS, England

Off. Technol. & People (Netherlands) (vol.1, no.4 May 1983—)
Coden: OTPED5 ISSN 0167-5710
Office: Technology and People Elsevier Science Publishers B.V., P.O.Box 330, 1000 AH Amsterdam, Netherlands

Office (USA) (vol.94, no.3 Sept. 1981—)
Coden: OFISAD ISSN 0030-0128
The Office Office Publications Inc., 1200 Summer Street, Stamford, CT 06904, USA

Offset Print. & Reprogr. (GB) (no.177 Oct. 1983—)
ISSN 0263-4384
Offset Printing and Reprographics Maclean Hunter Ltd., 30 Old Burlington Street, London W1, England

Offshore Serv. & Technol. (GB) (vol.15, no.4 April 1982—)
Coden: OSTEDI
Offshore Services and Technology Formerly: Offshore Serv. (GB) Title changed to: Oilman (GB)

Offshore Serv. (GB) (Oct. 1973—)
Coden: OFSVA4
Offshore Services Formerly: Hydrospace (GB) Title changed to: Offshore Serv. & Technol. (GB)

Ogneupory (USSR) (no.12 1969—)
Coden: OGNPA2 ISSN 0369-7290
Ogneupory Moskva G-34, 2-i, Obl'denskii, rep. 14, USSR [English translation in: *Refractories (USA)*]

Ohio CPA J. (USA) (vol.42, no.2 Spring 1983—)
Ohio CPA Journal Ohio Society of Certified Public Accountants, P.O.Box 306, 535 Metro Place South, Dublin, OH 43017-0306, USA

Oilman (GB) (Oct. 1982—)
Coden: OLMNAQ
The Oilman Formerly: Offshore Serv. & Technol. (GB)
Maclean Hunter Ltd., 30 Old Burlington Street, London W1X 2AE, England

Okayama Univ. Res. Lab. Surf. Sci. Rep.
See: Rep. Res. Lab. Surf. Sci. Okayama Univ. (Japan)

Okayama Univ. Sch. Eng. Mem.
See: Mem. Sch. Eng. Okayama Univ. (Japan)

Okeanologiya (USSR) (1968—)
Coden: OKNOAR ISSN 0030-1574
Okeanologiya 2 ya Tilografiya Iadatelvstva 'Nauka', Moskva, Shchybiiskii lep. 10, USSR [English translation in: *Oceanology (USA)*]

Oki Tech. Rev. (Japan) (1983—)
Coden: OTREDF
Oki Technical Review Oki Electric Industry Co. Ltd., 1-7-12 Toranomon, Minato-ku, Tokyo 105, Japan

Omega (GB) (vol.1, no.1 Feb. 1973—)
Coden: OMEGA6 ISSN 0305-0483
Omega Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW, England

Onde Electr. (France) (1968—)
Coden: ONELAS ISSN 0030-2430
L'Onde Electrique Masson et Cie, 120 bd. Saint-Germaine, 75280 Paris Cedex 06, France

Online (Germany) (no.1-2 Jan. 1981—)
Coden: OCOLD4 ISSN 0340-1545
Online Formerly: Online-ADL-Nachr. (Germany)
Verlagsgesellschaft Rudolf Muller GmbH, Stolberger Strasse 84, 5000 Koln 41, Germany

Online (USA) (vol.1, no.1 Jan. 1977—)
Coden: ONLIDN ISSN 0146-5422
Online Online Inc., Department 1A, 11 Tannery Lane, Weston, CT 06883, USA

Online Rev. (GB) (vol.1, no.1 March 1977—)
Coden: OLREDR ISSN 0309-314X
Online Review Learned Information (Europe) Ltd., Woodside, Hinksey Hill, Oxford OX1 5BP, England

Online-ADL-Nachr. (Germany) (no.1-2 1977—)
Coden: OANADK
Online-ADL-Nachrichten Formerly: ADL-Nachr. (Germany) Title changed to: Online (Germany)

Open (Netherlands) (vol.4, no.6 June 1972—)
Coden: OPNNBQ ISSN 0030-3372
Open N.V. Uitgeversmaatschappij AE. E. Kluwer, Postbus 23, Deventer, Netherlands

Oper. Res. (USA) (vol.16, no.4 July-Aug. 1968—)
Coden: OPREAI ISSN 0030-364X
Operations Research Operations Research Society of America, 428 East Preston Street, Baltimore, MD 21202, USA

†**Oper. Res. Lett. (Netherlands)** (vol.1, no.1 Oct. 1981—)
Coden: ORLED5 ISSN 0167-6377
Operations Research Letters North-Holland Publishing Co., P.O.Box 211, 1000 AE Amsterdam, Netherlands

Oper. Res. Q. (GB) (1968—)
Coden: OPRQAK
Operational Research Quarterly Title changed to: J. Oper. Res. Soc. (GB)

Oper. Res. Soc. J.
See: J. Oper. Res. Soc. (GB)

Oper. Res. Soc. Jpn. J.
See: J. Oper. Res. Soc. Jpn. (Japan)

Oper. Res. Verfahren-Methods Oper. Res. (Germany) (vol.21 1975—)
Coden: ORVEAI
Operations Research Verfahren-Methods of Operations Research Title changed to: Methods Oper. Res. (Germany)

Oper. Syst. Rev. (USA) (vol.8, no.3 July 1974—)
Coden: OSRED8 ISSN 0163-5980
Operating Systems Review Association for Computing Machinery, 1133 Avenue of the Americas, New York, NY 10036, USA

Operations (USA) (vol.1, no.1 Sept. 1983—)
ISSN 0364-5533
Operations Issued with: *Infosystems (USA)*

Ophthalmic & Physiol. Opt. (GB) (vol.3, no.1 1983—)
Coden: OPOPD5 ISSN 0275-5408
Ophthalmic & Physiological Optics Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Opsearch (India) (vol.12, no.1-2 March-June 1975—)
Coden: OPSEAN ISSN 0030-3887
Opsearch Operational Research Society of India. Editorial address: Indian Statistical Institute, 7 SJS Sansanwal Marg, New Delhi - 110029, India

†**Opt. & Laser Technol. (GB)** (vol.2, no.4 Nov. 1970—)
Coden: OLTCAS ISSN 0030-3992
Optics and Laser Technology Formerly: Opt. Technol. (GB)
Butterworth Scientific Ltd., Journals Division, P.O.Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England

†**Opt. & Lasers Eng. (GB)** (vol.1, no.1 July-Sept. 1980—)
Coden: OLENDN ISSN 0143-8166
Optics and Lasers in Engineering Applied Science Publishers Ltd., Ripple Road, Barking, Essex, England

†**Opt. & Quantum Electron. (GB)** (vol.7, no.1 Jan. 1975—)
Coden: OQELDI ISSN 0306-8919
Optical and Quantum Electronics Formerly: Opto-Electron. (GB)
Chapman and Hall, 11 New Fetter Lane, London, EC4P 4EE, England

†**Opt. & Spectrosc. (USA)** (1968—)
Coden: OPSUA3 ISSN 0030-400X
Optics and Spectroscopy [Translation of: *Opt. & Spektrosk. (USSR)*]
Published for the Optical Society of America by the American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

Opt. & Spektrosk. (USSR) (1968—)
Coden: OSFMA3 ISSN 0030-4034
Optika i Spektroskopiya Akademiya Nauk SSSR, Leninskii Prosp. 14, Moskva, USSR [English translation in: *Opt. & Spectrosc. (USA)*]

†**Opt. Acta (GB)** (1968—)
Coden: OPACAT ISSN 0030-3909
Optica Acta Taylor & Francis Ltd., 4 John Street, London WC1N 2ET, England

Opt. Appl. (Poland) (vol.10, no.1 1980—)
Coden: OPAPBZ ISSN 0078-5466
Optica Applicata Wroclaw Technical University Press, 50-370 Wroclaw, Wybreze Wyspianskiego 27, Poland

†**Opt. Commun. (Netherlands)** (vol.1, no.1 April 1969—)
Coden: OPCOB8 ISSN 0030-4018
Optics Communications North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

†**Opt. Eng. (USA)** (vol.11, no.1 Jan.-Feb. 1972—)
Coden: OPEGAR ISSN 0091-3286
Optical Engineering Formerly: J. Soc. Photo-Opt. Instrum. Eng. (USA)
Society of Photo-Optical Instrumentation Engineers, P.O. Box 10, 405 Fieldston Road, Bellingham, WA 98225, USA

†**Opt. Lett. (USA)** (vol.1, no.1 July 1977—)
Coden: OPLEDP ISSN 0146-9592
Optics Letters Published for the Optical Society of America by the American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

Opt. Pura & Apl. (Spain) (1968—)
Coden: OPAPAY ISSN 0030-3917
Optica Pura y Aplicada Serrano 121, Madrid 6, Spain

Opt. Soc. Am. J.
See: J. Opt. Soc. Am. (USA)

Opt. Spectra (USA) (1968—)
Coden: OPTSA2 ISSN 0030-395X
Optical Spectra Title changed to: Photonics Spectra (USA)

† indicates a journal abstracted completely

Opt. Technol. (GB) (vol.1, no.5 Nov. 1969—)
Coden: OPTTA5
Optics Technology Title changed to: Opt. & Laser Technol. (GB)

Opt.-Mekh. Prom.-st. (USSR) (1968—)
Coden: OPMPAQ ISSN 0030-4042
Optiko-Mekhanicheskaya Promyshlennost Vasilov Optical Research Institute, Kaluzhskoye Chausee 32, Moskva, USSR [English translation in: *Sov. J. Opt. Technol. (USA)*]

†**Optik (Germany)** (1968—)
Coden: OTIKAJ ISSN 0030-4026
Optik Wissenschaftliche Verlagsgesellschaft, D-7000 Stuttgart 1, Postfach 40, Germany

Optimal Control Appl. & Methods (GB) (vol.1, no.1 Jan.-March 1980—)
Coden: OCAMD5 ISSN 0143-2087
Optimal Control Applications & Methods John Wiley & Sons Ltd., Baffins Lane, Chichester, Sussex PO19 1UD, England

Optimum (Canada) (vol.13, no.3 1982—)
Coden: OPTIEA ISSN 0475-1906
Optimum Bureau of Management Consulting, Department of Supply and Services, Journal Building, 365 Laurier Avenue West, Ottawa K1A 0S5, Canada

Opto-Electron. (GB) (vol.1, no.1 Feb. 1969—)
Coden: OPELA8
Opto-Electronics Title changed to: Opt. & Quantum Electron. (GB)

Optoelektron. & Poluprovodn. Tekh. (USSR) (no.1 1982—)
Coden: OPTEDV
Optoelektronika i Poluprovodnikovaya Tekhnika Formerly: Poluprovodn. Tekh. & Mikroelektron. (USSR)
Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR

OR Spektrum (Germany) (vol.1, no.1 1979—)
Coden: ORSPD5 ISSN 0171-6468
OR Spektrum Springer-Verlag, 3 Heidelberger Platz, D-1000 Berlin 33, Germany

Origins of Life (Netherlands) (vol.5, no.1-2 Jan.-April 1974—)
Coden: OGLFAU ISSN 0302-1688
Origins of Life Formerly: Space Life Sci. (Netherlands)
D. Reidel Publishing Co., P.O. Box 17, Dordrecht, Netherlands

ORSA/TIMS Bull. (USA) (no.2 1976—)
Coden: TIMBDR ISSN 0161-0295
ORSA/TIMS Bulletin Formerly: TIMS/ORSA Bull. (USA)
Operations Research Society of America, 428 East Preston Street, Baltimore, MD 21202, USA

Osaka City Univ. Fac. Eng. Mem.
See: Mem. Fac. Eng. Osaka City Univ. (Japan)

Osaka Kogyo Gijutsu Shikenjo Hokoku
See: Rep. Gov. Ind. Res. Inst. Osaka (Japan)

Osaka Kogyo Gijutsu Shikensho Kiho
See: Bull. Gov. Ind. Res. Inst. Osaka (Japan)

Osaka Prefect. Univ. Bull. Ser. A
See: Bull. Univ. Osaka Prefect. Ser. A (Japan)

Osaka Univ. Sci. Rep.
See: Sci. Rep. Osaka Univ. (Japan)

Osaka Univ. Technol. Rep.
See: Technol. Rep. Osaka Univ. (Japan)

Otbor & Peredacha Inf. (USSR) (no.19 1969—)
Coden: OTPIAE ISSN 0474-8662
Otbor i Peredacha Informatsii Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR

Output (Switzerland) (vol.7, no.12 15 Dec. 1978—)
Coden: OUTPDV ISSN 0379-2501
Output Fachpresse Goldach Hudson & Co., CH-9403 Goldach, Switzerland

†**Oxid. Met. (USA)** (vol.10, no.3 June 1976—)
Coden: OXMEAF ISSN 0030-770X
Oxidation of Metals Plenum Publishing Corp., 227 West 17th Street, New York, NY 10011, USA

Oyo Butsuri (Applied Physics)
See: Oyo Buturi (Japan)

Oyo Buturi (Japan) (vol.37, no.8 Aug. 1968—)
Coden: OYBSA9 ISSN 0369-8009
Oyo Buturi Japan Society of Applied Physics, Room No. 209-2, Kikai-Shinko Building, 3 Shiba-Koen, Minato-ku, Tokyo, Japan

P.N. Lebedev Phys. Inst. Proc. (Tr.)
See: Proc. (Tr.) P.N. Lebedev Phys. Inst. (USA)

PAGE (GB) (no.43 Jan. 1980—)
Coden: PAGED8 ISSN 0030-9362
PAGE Editorial address: Dominic Boreham, 42 Campion Walk, Beaumont Leys, Leicester LE4 0PD, England. Secretary: John Landsdown, 50/51 Russell Square, London WC1B 4JX

Pak. J. Sci. & Ind. Res. (Pakistan) (1968—)
Coden: PSIRAA ISSN 0030-9885
Pakistan Journal of Scientific and Industrial Research Pakistan Council of Scientific and Industrial Research, 39 Garden Road, Karachi 3, Pakistan

Pak. J. Sci. (Pakistan) (1968—)
Coden: PAJSAS ISSN 0030-9877
Pakistan Journal of Science Pakistan Association for the Advancement of Science, 6-B Gulberg II, Lahore 11, Pakistan

Pak. J. Sci. Res. (Pakistan) (1968—)
Coden: PJSRAV ISSN 0552-9050
Pakistan Journal of Scientific Research Pakistan Association for the Advancement of Science, 6-B Gulberg II, Lahore 11, Pakistan

Parsons J. (GB) (vol.11, no.67 Christmas 1969—)
Coden: PAJOBH
Parsons Journal Title changed to: Reyrolle Parsons Rev. (GB)

Part. & Nucl. (USA) (vol.5, no.5-6 May-June 1973—)
Coden: PANUAK ISSN 0141-1594
Particles and Nuclei Fazl-I-Umar Research Institute Inc., P.O. Box 338, Athens, OH 45701, USA

†**Part. Accel. (GB)** (vol.1, no.1 March 1970—)
Coden: PLACBD ISSN 0031-2460
Particle Accelerators Gordon & Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England

†**Pattern Recognition (GB)** (vol.1, no.2 Nov. 1968—)
Coden: PTNRA8 ISSN 0031-3203
Pattern Recognition Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW, England

Pattern Recognition Lett. (Netherlands) (vol.1, no.1 Oct. 1982—)
Coden: PRLEDG ISSN 0167-8655
Pattern Recognition Letters North-Holland Publishing Co., P.O.Box 211, 1000 AE Amsterdam, Netherlands

PC User (GB) (May 1983—)
Coden: PCUSDW ISSN 0263-5720
PC User EMAP Business and Computer Publications, 57A Hatton Garden, London EC1N 8JD, England

PEM Masch. + Anlagenbau (Germany) (no.11-12 Nov.-Dec. 1981—)
Coden: PEANDX
PEM Maschinen + Anlagenbau Formerly: Process Eng. (Germany) Title changed to: PEM Process Eng. Mag. (Germany)

PEM Process Eng. Mag. (Germany) (vol.22, no.9-10 Oct. 1982—)
Coden: PPEMEQ ISSN 0724-1720
PEM Process Engineering Magazine Formerly: PEM Masch. + Anlagenbau (Germany)
Sprechsaal Verlag, P.O.Box 401, D-8630 Coburg, Germany

†**Performance Eval. (Netherlands)** (vol.1, no.1 Jan. 1981—)
Coden: PEEVD9 ISSN 0166-5316
Performance Evaluation North-Holland Publishing Co., P.O.Box 211, 1000 AE Amsterdam, Netherlands

Performance Eval. Rev. (USA) (vol.9, no.1 Spring 1980—)
Coden: PEREDN ISSN 0163-5999
Performance Evaluation Review Association for Computing Machinery, 11 West 42nd Street, New York, NY 10036, USA

Period. Math. Hung. (Hungary) (vol.6, no.3 1975—)
Coden: PMHGAW ISSN 0031-5303
Periodica Mathematica Hungarica Akademiai Kiado, Alkotmany U 21, 1054 Budapest, Hungary

Period. Polytech. Electr. Eng. (Hungary) (1968—)
Coden: PPYTA7 ISSN 0324-6000
Periodica Polytechnica (Electrical EngineeringElektrotechnik) Kultura, H-1389 Budapest, P.O.B. 149, Hungary

Perkin-Elmer Tech. News (USA) (vol.10, no.1 June 1982—)
Coden: TNPEDI ISSN 0736-6965
Perkin-Elmer Technical News Perkin-Elmer Corp., Danbury, CT 06810, USA

Pers. Comput. (USA) (vol.7, no.9 Sept. 1983—)
Coden: PLCMDL ISSN 0192-5490
Personal Computing Benwill Publishing Corp., 1050 Commonwealth Avenue, Boston, MA 02215, USA

Pers. Comput. World (GB) (vol.1, no.3 July 1978—)
Coden: PCWODU ISSN 0142-0232
Personal Computer World 62 Oxford Street, London W1, England

Pers. Manage. (GB) (May 1983—)
Coden: PRMNAB ISSN 0149-2675
Personnel Management Personnel Publications Ltd., 1 Hills Place, London W1R 1AG, England

†**Perspect. Comput. (USA)** (vol.1, no.1 Feb. 1981—)
Coden: PSCGDI ISSN 0273-4621
Perspectives in Computing International Business Machines Corp., Armonk, NY 10504, USA

†**Phase Transitions (GB)** (vol.1, no.1 Sept. 1979—)
Coden: PHTRDP ISSN 0141-1594
Phase Transitions Gordon and Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England

Philips J. Res. (Netherlands) (vol.33, no.1-2 1978—)
Coden: PHJRD9 ISSN 0165-5817
Philips Journal of Research Formerly: Philips Res. Rep. (Netherlands)
Philips Research Laboratories, Building WBP, Room No. 42, Eindhoven, Netherlands

Philips Res. Rep. (Netherlands) (1968—)
Coden: PRREA9
Philips Research Reports Title changed to: Philips J. Res. (Netherlands)

Philips Tech. Rev. (Netherlands) (1968—)
Coden: PTREAN ISSN 0031-7926
Philips Technical Review Research Laboratories N.V. Philips Gloeikampenfabrieken, Eindhoven, Netherlands

†**Philips Telecommun. Rev. (Netherlands)** (1968—)
Coden: PTLRAW ISSN 0031-7934
Philips Telecommunication Review Philips' Telecommunicatie Industrie B.V., P.O. Box 82, Hilversum, Netherlands

Philos. Mag. (GB) (1968—)
Coden: PHMAA4
Philosophical Magazine Journal split into two parts: Philos. Mag. A and B (GB)

†**Philos. Mag. A (GB)** (vol.37A, no.1 Jan. 1978—)
Coden: PMAADG ISSN 0141-8610
Philosophical Magazine A (Physics of Condensed Matter, Defects and Mechanical Properties) Taylor & Francis Ltd., 10-14 Macklin Street, London, WC2B 5NF, England. Supersedes in part: Philos. Mag. (GB)

†**Philos. Mag. B (GB)** (vol.37B, no.1 Jan. 1978—)
Coden: PMABDJ ISSN 0141-8637
Philosophical Magazine B (Physics of Condensed Matter, Electronic, Optical and Magnetic Properties) Taylor & Francis Ltd., 4 John Street, London WC1N 2ET, England. Supersedes in part: Philos. Mag. (GB)

Philos. Sci. (USA) (vol.39, no.2 June 1972—)
Coden: PHSCA6 ISSN 0031-8248
Philosophy of Science Philosophy of Science Association, 18 Morrill Hall, Department of Philosophy, Michigan State University, East Lansing, MI 48823, USA

Philos. Trans. R. Soc. London A (GB) (1968—)
Coden: PTRMAD ISSN 0080-4614
Philosophical Transactions of the Royal Society of London A (Mathematical and Physical Sciences) 6 Carlton House Terrace, London SW1Y 5AG, England

Photobiochem. & Photobiophys. (Netherlands) (vol.2, no.1-2 March 1981—)
Coden: PHOPDS ISSN 0165-8646
Photobiochemistry and Photobiophysics Elsevier/North-Holland Biomedical Press, P.O.Box 211, 1000 AE Amsterdam, Netherlands

Photoelectr. Spectrom. Group Bull. (GB) (no.19 July 1970—)
Coden: PSGBAK
Photoelectric Spectrometry Group Bulletin Title changed to: UV Spectrom. Group Bull. (GB)

Photogr. Appl. Sci. Technol. & Med. (USA) (vol.7, no.4 July 1972—)
Coden: PHASBX
Photographic Applications in Science, Technology and Medicine Title changed to: Funct. Photogr. (USA)

Photogr. Sci. & Eng. (USA) (vol.15, no.5 Sept.-Oct. 1971—)
Coden: PSENAC ISSN 0031-8760
Photographic Science and Engineering Society of Photographic Scientists and Engineers, Suite 204, 1330 Massachusetts Avenue N.W., Washington, DC 20005, USA

Photogramm. Eng. & Remote Sensing (USA) (vol.41, no.3 March 1975—)
Coden: PERSDV ISSN 0099-1112
Photogrammetric Engineering and Remote Sensing Formerly: Photogramm. Eng. (USA)
American Society of Photogrammetry, 105 North Virginia Avenue, Falls Church, VA 22046, USA

Photogramm. Eng. (USA) (vol.34, no.12 Dec. 1968—)
Coden: PGMEA9
Photogrammetic Engineering Title changed to: Photogramm. Eng. & Remote Sensing (USA)

Photonics Spectra (USA) (vol.16, no.1 Jan. 1982—)
Coden: PHSAD3 ISSN 0191-0647
Photonics Spectra Formerly: Opt. Spectra (USA)
Optical Publishing Co. Inc., Berkshire Common, P.O.Box 1146, Pittsfield, MA 01202, USA

Phys. & Chem. Earth (GB) (vol.12 1980—)
Coden: PCEAAV ISSN 0079-1946
Physics and Chemistry of the Earth Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Phys. & Chem. Glasses (GB) (1968—)
Coden: PCGLA6 ISSN 0031-9090
Physics and Chemistry of Glasses (Section B of the Journal of the Society of Glass Technology) Society of Glass Technology, Thornton, Hallam Gate Road, Sheffield, S10 5BT, England

†**Phys. & Chem. Liq. (GB)** (1968—)
Coden: PCLQAC ISSN 0031-9104
Physics and Chemistry of Liquids Gordon & Breach Science Publishers Ltd., 41 and 42 William IV Street, London WC2, England

Phys. & Chem. Miner. (Germany) (vol.3, no.2 1978—)
Coden: PCMIDU ISSN 0342-1791
Physics and Chemistry of Minerals Springer-Verlag, D-1000 Berlin 33, Heidelberger Platz 3, Germany

Phys. Bl. (Germany) (1968—)
Coden: PHBLAG ISSN 0031-9279
Physikalische Blatter Physik-Verlag GmbH, D-6940 Weinheim/Bergstrasse, Pappelalle 3, PB 1260-80, Germany

Phys. Bull. (GB) (vol.20 March 1969—)
Coden: PHSBB4 ISSN 0031-9112
Physics Bulletin Institute of Physics, 47 Belgrave Square, London SW1X 8QX, England

Phys. Condens. Matter (Germany) (vol.17, no.1 1973—)
Coden: PCOMBG
Physics of Condensed Matter Formerly: Phys. Kondens. Mater. (Germany) Title changed to: Z. Phys. B (Germany)

Phys. Daten (Germany) (no.17-1 1981—)
Coden: PHDADU ISSN 0344-8401
Physik Daten (Physics Data) Fachinformationszentrum Energie Physik Mathematik GmbH Karlsruhe, 7514 Eggenstein-Leopoldshafen 2, Germany

Phys. Earth & Planet. Inter. (Netherlands) (vol.1, no.1 Oct. 1967—)
Coden: PEPIAM ISSN 0031-9201
Physics of the Earth and Planetary Interiors Elsevier Scientific Publishing Co., P.O.Box 211, 1000 AM Amsterdam, Netherlands

Phys. Educ. (GB) (1968—)
Coden: PHEDA7 ISSN 0031-9120
Physics Education Institute of Physics, 47 Belgrave Square, London SW1X 8QX, England

†**Phys. Energ. Fortis & Phys. Nucl. (China)** (vol.2, no.1 Jan. 1978—)
Coden: KNWLD9 ISSN 0254-3052
Physica Energiae Fortis et Physica Nuclearis Science Press, Peking, People's Republic of China. Subscription address: Guozo Shudian, P.P. Box 399, Peking

†**Phys. Fluids (USA)** (1968—)
Coden: PFLDAS ISSN 0031-9171
Physics of Fluids American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

Phys. Kondens. Mater. (Germany) (1968—)
Coden: PKOMA3
Physik der Kondensierten Materie Title changed to: Phys. Condens. Matter (Germany)

†**Phys. Lett. A (Netherlands)** (1968—)
Coden: PYLAAG ISSN 0031-9163
Physics Letters A North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

†**Phys. Lett. B (Netherlands)** (1968—)
Coden: PYLBAJ ISSN 0031-9163
Physics Letters B North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

†**Phys. Med. & Biol. (GB)** (1968—)
Coden: PHMBA7 ISSN 0031-9155
Physics in Medicine and Biology Institute of Physics, 47 Belgrave Square, London SW1X 8QX, England

Phys. Met. & Metallogr. (GB) (1968—)
Coden: PHMMA6 ISSN 0031-918X
Physics of Metals and Metallography [Translation of: *Fiz. Met. & Metalloved. (USSR)*] Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW, England

†**Phys. Met. (GB)** (vol.3, no.1 1981—)
Coden: PMTSDT ISSN 0275-9144
Physics of Metals [Translation of: *Metallofizika, Kiev (USSR)*] Gordon & Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England

†**Phys. Rep. (Netherlands)** (vol.44, no.3 Aug. 1978—)
Coden: PRPLCM ISSN 0370-1573
Physics Reports Formerly: Phys. Rep. Phys. Lett. Sect. C (Netherlands)
North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

Phys. Rep. Phys. Lett. Sect. C (Netherlands) (vol.1C, no.1 March 1971—)
Coden: PRPLCM
Physics Reports. Physics Letters Section C Title changed to: Phys. Rep. (Netherlands)

Phys. Rev. (USA) (1968—)
Coden: PHRVAO
Physical Review Journal split into 4 parts: Phys. Rev. A, B, C, D (USA)

†**Phys. Rev. A (USA)** (vol.1, no.1 Jan. 1970—)
Coden: PLRAAN ISSN 0556-2791
Physical Review A (General Physics) Published for the American Physical Society by the American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA. Supersedes in part: Phys. Rev. (USA)

†**Phys. Rev. B (USA)** (vol.19, no.1 1 Jan. 1979—)
Coden: PRBMDO ISSN 0163-1829
Physical Review B (Condensed Matter) Formerly: Phys. Rev. B (USA)
Published for the American Physical Society by the American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

Phys. Rev. B (USA) (vol.1, no.1 Jan. 1970—)
Coden: PLRBAQ
Physical Review B (Solid State) Title changed to: Phys. Rev. B (USA)

†**Phys. Rev. C (USA)** (vol.1, no.1 Jan. 1970—)
Coden: PRVCAN ISSN 0556-2813
Physical Review C (Nuclear Physics) Published for the American Physical Society by the American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA. Supersedes in part: Phys. Rev. (USA)

†**Phys. Rev. D (USA)** (vol.1, no.1 Jan. 1970—)
Coden: PRVDAQ ISSN 0556-2821
Physical Review D (Particles and Fields) Published for the American Physical Society by the American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA. Supersedes in part: Phys. Rev. (USA)

†**Phys. Rev. Lett. (USA)** (1968—)
Coden: PRLTAO ISSN 0031-9007
Physical Review Letters Published for the American Physical Society by the American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

†**Phys. Scr. (Sweden)** (vol.1, no.1 1970—)
Coden: PHSTBO ISSN 0031-8949
Physica Scripta Formerly: Ark. Fys. (Sweden)
Royal Swedish Academy of Sciences, S-104 05 Stockholm 50, Sweden

Phys. Sintering (Yugoslavia) (vol.3, no.1 Jan. 1971—)
Coden: PHSNB6
Physics of Sintering Title changed to: Sci. Sintering (Yugoslavia)

Phys. Soc. Jpn. J.
See: J. Phys. Soc. Jpn. (Japan)

†**Phys. Status Solidi a (Germany)** (vol.1, no.1 1970—)
Coden: PSSABA ISSN 0031-8965
Physica Status Solidi A Akademie-Verlag, DDR 108 Berlin, Leipziger Strasse 3-4, Germany

†**Phys. Status Solidi b (Germany)** (1968—)
Coden: PSSBBD ISSN 0370-1972
Physica Status Solidi b Akademie-Verlag, DDR 108 Berlin, Leipzigerstrasse 3-4, Germany

Phys. Teach. (USA) (vol.11, no.5 May 1973—)
Coden: PHTEAH ISSN 0031-921X
Physics Teacher American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

Phys. Technol. (GB) (vol.4, no.1 1973—)
Coden: PHYTBK ISSN 0305-4624
Physics in Technology Formerly: Rev. Phys. Technol. (GB)
Institute of Physics, 47 Belgrave Square, London SW1X 8QX, England

Phys. Today (USA) (1968—)
Coden: PHTOAD ISSN 0031-9228
Physics Today American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

†**Physica A (Netherlands)** (1968—)
Coden: PHYSAG ISSN 0378-4371
Physica A North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

†**Physica B & C (Netherlands)** (vol.79, no.1 Jan. 1975—)
Coden: PHBCDQ ISSN 0378-4363
Physica B & C North-Holland Publishing Co., P.O.Box 103, 1000 AC Amsterdam, Netherlands

†**Physica D (Netherlands)** (vol.1d, no.1 April 1980—)
Coden: PDNPDT ISSN 0167-2789
Physica D North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

†**Pis'ma v Astron. Zh. (USSR)** (vol.1, no.2 1975—)
Coden: PAZHDA ISSN 0320-0108
Pis'ma v Astronomicheskie Zhurnal Agent: Mezhdunarodnaya Kniga, Moskva, USSR [English translation in: *Sov. Astron. Lett. (USA)*]

†**Pis'ma v Zh. Eksp. & Teor. Fiz. (USSR)** (vol.25, no.8 20 April 1977—)
Coden: PZETAB ISSN 0370-274X
Pis'ma v Zhurnal Eksperimental'noi i Teoreticheskoi Fiziki Formerly: Zh. Eksp. & Teor. Fiz. Pis'ma v Red. (USSR)
Akademiya Nauk SSSR, Leninskii Prospekt 14, Moskva, USSR [English translation in: *JETP Lett. (USA)*]

Pis'ma v Zh. Tekh. Fiz. (USSR) (vol.1, no.1 12 Feb. 1975—)
Coden: PZTFDD
Pis'ma v Zhurnal Tekhnicheskoi Fizika Izdatel'stvo 'Nauka', Leningrad, USSR [English translation in: *Sov. Tech. Phys. Lett. (USA)*]

Pixel. Comput. Graphics, CAD/CAM, Image Process. (Italy) (vol.2, no.2 1981—)
Coden: PIXEDD ISSN 0392-8217
Pixel. Computer Graphics, CAD/CAM, Image Processing Editrice Il Rostro s.a.s., Via Monte Generoso 6/A, 20155 Milano, Italy

†**Planet. & Space Sci. (GB)** (1968—)
Coden: PLSSAE ISSN 0032-0633
Planetary and Space Science Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW, England

Plant Eng. (GB) (vol.15, no.7 July 1971—)
Coden: PLEGAA ISSN 0032-0838
Plant Engineer Institution of Plant Engineers, 138 Buckingham Palace Road, London, SW1W 9SG, England. Batiste Publication Ltd., Drummond House, 203-209 Gower Street, London, NW1

Plasma Chem. & Plasma Process. (USA) (vol.3, no.1 March 1983—)
Coden: PCPPDW ISSN 0272-4324
Plasma Chemistry and Plasma Processing Plenum Publishing Corp., 233 Spring Street, New York, NY 10013, USA

†**Plasma Phys. (GB)** (1968—)
Coden: PLPHBZ ISSN 0032-1028
Plasma Physics Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW, England

Plast. & Polym. (GB) (vol.40, no.145 Feb. 1972—)
Coden: PLPOBM
Plastics and Polymers Title changed to: Plast. & Rubber (GB)

Plast. & Rubber (GB) (vol.1, no.1 Dec. 1975—)
Coden: PLRUDI
Plastics and Rubber Formerly: Plast. & Polym. (GB) Title changed to: Plast. & Rubber Int. (GB)

Plast. & Rubber Int. (GB) (vol.2, no.1 Jan.-Feb. 1977—)
Coden: PRUID5 ISSN 0309-4561
Plastics and Rubber International Formerly: Plast. & Rubber (GB)
Plastics and Rubber Institute, 11 Hobart Place, London SW1W 0HL, England

Plast. & Rubber Process. & Appl. (GB) (vol.2, no.1 March 1982 –)
Coden: PPAPDE ISSN 0144-6045
Plastics and Rubber Processing and Applications Published for the Plastics and Rubber Institute by Applied Science Publishers Ltd., Ripple Road, Barking, Essex, England

Plast. Eng. (USA) (vol.29, no.8 Aug. 1973—)
Coden: PLEGBB ISSN 0091-9578
Plastics Engineering Formerly: SPE J. (USA)
Society of Plastics Engineers Inc., 14 Fairfield Drive, Brookfield Center, CT 06805, USA

Plaste & Kautsch. (Germany) (1968—)
Coden: PLKAAM ISSN 0048-4350
Plaste und Kautschuk VEB Deutscher Verlag fur Grundstoffindustrie, 7031 Leipzig, Karl-Heine-Strasse 27, Germany

Plat. & Surf. Finish. (USA) (vol.62, no.5 May 1975—)
Coden: PSFMDH ISSN 0360-3164
Plating and Surface Finishing Formerly: Plating (USA)
American Electroplaters' Society Inc., 1201 Louisiana Avenue, Winter Park, FL 32789, USA

Plating (USA) (vol.56, no.11 Nov. 1969—)
Coden: PLATAT
Plating Title changed to: Plat. & Surf. Finish. (USA)

Podstawy Sterowania (Poland) (vol.1, no.3-4 1971—)
Coden: PDSTAT ISSN 0374-4094
Podstawy Sterowania Zaklad Systemow Automatyki Kompleksowej PAN, Gliwice, ul. Zwyciestwa 21, Poland

Pol. Eng. (Poland) (no.13 1972—)
Coden: PERGAQ
Polish Engineering Title changed to: Pol. Mach. Ind. Offers (Poland)

Pol. Mach. Ind. Offers (Poland) (no.3 1978—)
Coden: PMIODU ISSN 0208-435X
Polish Machine Industry Offers Formerly: Pol. Eng. (Poland)
AGPOL-EXPORTPRESS, 00-008 Warszawa, Marszalowska 124, Poland

Pol. Tech. Rev. (Poland) (no.6 1971—)
Coden: PTRWA9 ISSN 0032-3012
Polish Technical Review 00-950 Warszawa, Czackiego 3/5, P.O.B. 1004, Poland

Polim. Tworzywa Wielkoczasteczkowe (Poland) (vol.13, no.8 Aug. 1968—)
Coden: POLIA4 ISSN 0032-2725
Polimery Tworzywa Wielkoczastecskowe Instytut Tworzyw Sztucznc y, ul. Rydygiera 8, Warszawa 86, Poland

Pollut. Eng. (USA) (vol.5, no.8 Aug. 1973—)
Coden: PLENBW ISSN 0032-3640
Pollution Engineering Pudvan Publishing Co., 1935 Shermer Road, Northbrook, IL 60062, USA

Poluprovodn. Tekh. & Mikroelektron. (USSR) (no.7 1972—)
Coden: PTMUAC ISSN 0554-6222
Poluprovodnikovaya Tekhnika i Mikroelektronika Title changed to: Optoelektron. & Poluprovodn. Tekh. (USSR)

Polyhedron (GB) (vol.1, no.1 1982—)
Coden: PLYHDE ISSN 0277-5387
Polyhedron Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England. Formed by merger of Inorg. & Nucl. Chem. Lett. (GB) and J. Inorg. & Nucl. Chem. (GB)

Polym. Bull. (Germany) (vol.1, no.3 Nov. 1978—)
Coden: POBUDR ISSN 0170-0839
Polymer Bulletin Springer-Verlag, Heidelberger Platz 3, D-1000 Berlin 33, Germany

Polym. Commun. (GB) (vol.24, no.1 Jan. 1983—)
Coden: POCOEF ISSN 0263-6476
Polymer Communications Issued with: *Polymer (GB)*

Polym. Compos. (USA) (vol.3, no.1 Jan. 1982—)
Coden: PCOMDI ISSN 0272-8397
Polymer Composites Society of Plastics Engineers Inc., 14 Fairfield Drive, Brookfield Center, CT 06805, USA

Polym. Eng. & Sci. (USA) (vol.20, no.1 Jan. 1980—)
Coden: PYESAZ ISSN 0032-3888
Polymer Engineering and Science Society of Plastics Engineers Inc., 14 Fairfield Drive, Brookfield Center, CT 06805, USA

Polym. Mech. (USA) (1968—)
Coden: PLYMAQ
Polymer Mechanics Title changed to: Mech. Compos. Mater. (USA)

Polym. News (GB) (vol.1, no.4-5 1971—)
Coden: PLYNBU ISSN 0032-3918
Polymer News Gordon & Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England

Polym. Process Eng. (USA) (vol.1, no.1 1983—)
ISSN 0735-7931
Polymer Process Engineering Marcel Dekker Inc., 270 Madison Avenue, New York, NY 10016, USA

Polym. Sci. USSR (GB) (vol.13, no.2 1971—)
Coden: PYSCAN ISSN 0032-3950
Polymer Science U.S.S.R [Translation of: *Vysokomol. Soedin. Ser. A (USSR)*] Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England

Polym. Test. (GB) (vol.3, no.1 1982—)
Coden: POTEDZ ISSN 0142-9418
Polymer Testing Applied Science Publishers Ltd., Ripple Road, Barking, Essex, England

Polymer (GB) (vol.12, no.1 Jan. 1971—)
Coden: POLMAG ISSN 0032-3861
Polymer Butterworth Scientific Ltd., Journals Division, P.O.Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England

Polyscope Autom. & Elektron. (Switzerland) (vol.13, no.15 2 Oct. 1981—)
Coden: PLYSDD ISSN 0228-7099
Polyscope, Automatik und Elektronik Title changed to: Polyscope Comput. + Elektron. (Switzerland)

Polyscope Comput. + Elektron. (Switzerland) (vol.14, no.19 7 Oct. 1982—)
Coden: PCELDX ISSN 0254-2234
Polyscope, Computer + Elektronik Formerly: Polyscope Autom. & Elektron. (Switzerland)
Verlag Binkert AG, Postfach 32, 4335 Laufenburg, Switzerland

Polytech. Tijdschr. Elektrotech. Elektron. (Netherlands) (vol.23, no.19 13 Sept. 1968—)
Coden: PTEEBR
Polytechnisch Tijdschrift Elektrotechniek Elektronica Title changed to: PT/Elektrotech. Elektron. (Netherlands)

Polytech. Tijdschr. Procestech. (Netherlands) (vol.23, no.19 13 Sept. 1968—)
Coden: PTPTBP
Polytechnisch Tijdschrift Procestechniek Title changed to: PT/Procestech. (Netherlands)

Polytech. Tijdschr. Werktuigbouw (Netherlands) (vol.23, no.19 13 Sept. 1968—)
Coden: PTWTAP
Polytechnisch Tijdschrift Werktuigbouw Title changed to: PT/Werktuigbouw (Netherlands)

Pomiary Autom. Kontrola (Poland) (1968—)
Coden: PAUKAP ISSN 0032-4140
Pomiary Automatyka Kontrola Wydawnictwa Czasopism Technicznych NOT, 00-950 Warszawa, Skrytka 1004, ul. Swietokrzyska 14a, Poland

Pop. Comput. (USA) (vol.1, no.1 Nov. 1981—)
ISSN 0194-8075
Popular Computing McGraw-Hill Inc., 70 Main Street, Peterborough, NH 03458, USA

Poroshk. Metall. (USSR) (no.5 1970—)
Coden: PMANAI ISSN 0032-4795
Poroshkovaya Metallurgiya Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR [English translation in: *Sov. Powder Metall. & Met. Ceram. [USA]*]

Port. Phys. (Portugal) (1968—)
Coden: POPYA4 ISSN 0048-4903
Portugaliae Physica Sociedade Portuguesa de Fisica, Avenida de Republica, 37-40, 1000 Lisboa, Portugal

Porto Univ. Fac. Eng. Rev.
See: Rev. Fac. Eng. Univ. Porto (Portugal)

Post Off. Electr. Eng. J. (GB) (1968—)
Coden: POEJA6 ISSN 0032-5287
Post Office Electrical Engineers' Journal Title changed to: Br. Telecommun. Eng. (GB)

Post Off. Telecommun. J. (GB) (vol.22, no.1 Spring 1970—)
Coden: PTLJA8
Post Office Telecommunications Journal Title changed to: Br. Telecom J. (GB)

Postepy Astron. (Poland) (vol.16, no.4 1968—)
Coden: PYAIAJ ISSN 0032-5414
Postepy Astronomii Export-Import Enterprise "Ruch", ul. Wilcza 46, P.O. Box 154, Warszawa, Poland

Postepy Fiz. (Poland) (vol.19, no.5 1968—)
Coden: PSTFAT ISSN 0032-5430
Postepy Fizyki Polskie Towarzystwo Fizykczne, 00-681 Warszawa, ul. Hoza 69, Poland

Powder Metall. (GB) (vol.16, no.31 Spring 1973—)
Coden: PWMTAU ISSN 0032-5899
Powder Metallurgy Metals Society, 1 Carlton House Terrace, London, SW1Y 5DB, England

Powder Metall. Int. (Germany) (vol.7, no.4 Nov. 1975—)
Coden: PWMIBW ISSN 0048-5012
Powder Metallurgy International Verlag Schmidt GmbH, D-78 Freiburg, P.O. Box 1722, Germany

Powder Technol. (Switzerland) (vol.2, no.6 Sept. 1969—)
Coden: POTEBX ISSN 0032-5910
Powder Technology Elsevier Sequoia S.A., P.O. Box 851 1001 Lausanne 1, Switzerland

Power (USA) (vol.113, no.4 April 1969—)
Coden: POWEAD ISSN 0032-5929
Power McGraw-Hill Inc., 1221 Avenue of the Americas, New York, NY 10020, USA

Power Eng. (Acad. Sci. USSR) (USA) (vol.12, no.1 1974—)
Coden: POENDL
Power Engineering - Academy of Sciences of the USSR Title changed to: Power Eng. (J. Acad. Sci. USSR) (USA)

†**Power Eng. (J. Acad. Sci. USSR) (USA)** (vol.19, no.5 1981—)
Coden: POENDL
Power Engineering - Journal of the Academy of Sciences of the USSR Formerly: Power Eng. (Acad. Sci. USSR) (USA)
[Translation of: *Izv. Akad. Nauk SSSR Energ. & Transp.*] Allerton Press Inc., 150 Fifth Avenue, New York, NY 10011, USA

Power Eng. (USA) (vol.74, no.4 April 1970—)
Coden: POENAI ISSN 0032-5961
Power Engineering Technical Publishing Co., 1301 South Grove Avenue, Barrington, IL 60010, USA

Power Ind. Res. (GB) (vol.2, no.1 Jan. 1982—)
Coden: PIREDH ISSN 0272-4952
Power Industry Research Academic Press Inc. (London) Ltd., 24-28 Oval Road, London NW1 7DX, England

Power Transm. Des. (USA) (vol.24, no.1 Jan. 1982—)
Coden: PWTDAH ISSN 0032-6070
Power Transmission Design Penton/IPC, 614 Superior Avenue West, Cleveland, OH 44113, USA

PowerConvers. Int. (USA) (vol.5, no.5 Sept.-Oct. 1979—)
Coden: POWIDS ISSN 0199-1884
PowerConversion International Intertec Communications Inc., 2909 Ocean Drive, Oxnard, CA 93030, USA

Pr. Inst. Elektrotech. (Poland) (vol.16, no.54 1968—)
Coden: PIELA4 ISSN 0032-6216
Prace Instytutu Elektrotechniki Instytut Elektrotechniki, ul. Pozaryskiego 28, Warszawa-Miedzylesie, Poland

†**Pr. Inst. Lacznosci (Poland)** (1968—)
Coden: PILZAD ISSN 0020-451X
Prace Instytutu Lacznosci Ul. Szachowa 1, Miedzeszyn, Warszawa, Poland

†**Pr. Inst. Tele- & Radiotech. (Poland)** (1968—)
Coden: PITRAT ISSN 0032-6259
Prace Instytutu Tele- i Radiotechnicznego Ul. Ratuszowa 11, Warszawa, Poland

Pr. Nauk. Inst. Cybern. Tech. Politech. Wroclaw. Ser. Konf. (Poland) (no.22 1981—)
Coden: PICWDU ISSN 0324-9794
Prace Naukowe Instytutu Cybernetyki Technicznej Politechniki Wroclawskiej. Seria: Konferencje Wydawnictwo Politechniki Wroclawskiej, Wybreze Wyspianskiego 27, 50-370 Wroclaw, Poland

Pr. Nauk. Inst. Fiz. Politech. Wroclaw. Ser. Monogr. (Poland) (no.6 1980—)
Coden: PIFWDB ISSN 0370-0828
Prace Naukowe Instytutu Fizyki Politechniki Wroclawskiej, Seria: Monografie Wydawnictwo Politechniki Wroclawskiej, Wybrzeze Wyspianskiego 27, 50-370 Wroclaw, Poland

Pr. Nauk. Inst. Metrol. Elektr. Politech. Wroclaw. Ser. Konf. (Poland) (no.16 (Konf. no.6) 1978—)
Coden: PNIKDP ISSN 0324-9557
Prace Naukowe Instytutu Metrologii Elektrycznej Politechniki Wroclawskiej Seria: Konferencje Wydawnictwo Politechniki Wroclawskiej, Wybrzeze Wyspianskiego 27, 50-370 Wroclaw, Poland

Pr. Nauk. Inst. Technol. Elektron. Politech. Wroclaw. Ser. Monogr. (Poland) (no.23, monogr.7 1979—)
Coden: PNITBG ISSN 0084-280X
Prace Naukowe Instytutu Technologii Elektronowej Politechniki Wroclawskiej, Seria Monografie Wydawnictwo Politechniki Wroclawskiej, Wybrzeze Wyspianskiego 27, 50-370 Wroclaw, Poland

Pr. Nauk. Inst. Ukladow Elektromaszynowych Politech. Wroclaw. Ser. Monogr. (Poland) (no.32 1981—)
Coden: PIUWDI ISSN 0137-6284
Prace Naukowe Instytutu Ukladow Elektromaszynowych Politechniki Wroclawskiej, Seria: Monografie Wydawnictwo Politechniki Wroclawskiej, Wybreze Wyspanskiego 27, 50-370 Wroclaw, Poland

Pr. Osrodka Badaw.-Rozwojowego Elektron. Prozniowej (Poland) (vol.2, no.2 1974—)
Coden: POBRCH ISSN 0137-9909
Prace Osrodka Badawczo-Rozwojowego Elektroniki Prozniowej Editorial address: 00-241 Warszawa, ul. Dluga 44/50, Poland

Pr. Osrodka Badawczo-Rozwojowego Przetwornikow Obrazu (Poland) (no.2 1981—)
Coden: PBRODW
Prace Osrodka Badawczo-Rozwojowego Przetwornikow Obrazu Editorial address: Ul. Dluga 44-50, 00-241 Warszawa, Poland

Pr. Przem. Inst. Elektron. (Poland) (1968—)
Coden: PPIEAI ISSN 0509-7053
Prace Przemyslowego Instytutu Elektroniki Ul. Dluga 44/50, Warszawa, Poland

Pr. Przem. Inst. Telekomun. (Poland) (1968—)
Coden: PPITAT ISSN 0032-6283
Prace Przemyslowego Instytutu Telekomunikacji Editorial address: Skrytka Pacztowa Nr. 7, ul. Poligonowa 30, Warszawa 26, Poland

Pract. Comput. (GB) (Nov. 1978—)
Coden: PRCODZ ISSN 0141-5433
Practical Computing IPC Electrical-Electronic Press Ltd., Quadrant House, The Quadrant, Sutton, Surrey SM2 5AS, England

Pract. Electron. (GB) (vol.11, no.5 May 1975—)
Coden: PRELBY ISSN 0032-6372
Practical Electronics IPC Magazines Ltd., Oakfield House, Perrymount Road, Haywards Heath, West Sussex RH16 3DH, England

Pract. Wireless (GB) (vol.50, no.12 April 1975—)
Coden: PRWIBD ISSN 0141-0857
Practical Wireless IPC Magazines Ltd., Westover House, West Quay Road, Poole, Dorset BH15 1JG, England

Prague Bull. Math. Linguist. (Czechoslovakia) (no.16 1971—)
Coden: PBMLAT ISSN 0032-6585
Prague Bulletin of Mathematical Linguistics Algebraic Linguistics, Faculty of Mathematics and Physics, Charles University, Malostranske 25, 118 00 Prague 1, Czechoslovakia. Editorial address: Laboratory of Algebraic Linguistics, Praha 1, Malostranske nam. 25

Prakt. Metallogr. (Germany) (vol.8, no.10 Oct. 1971—)
Coden: PMTLA5 ISSN 0032-678X
Praktische Metallographie (Practical Metallography) Dr. Riederer-Verlag GmbH, d-7000 Stuttgart 1, Johannesstrasse 60, Postfach 447, Germany

†**Pramana (India)** (vol.1, no.1 July 1973—)
Coden: PRAMCI ISSN 0304-4289
Pramana Indian Academy of Sciences, Bangalore 560006, India

Prib. & Sist. Upr. (USSR) (1968—)
Coden: PRSUBT ISSN 0032-8154
Pribory i Sistemy Upravleniya Moscow. IGSP-110, Prospekt Mira 106, Komn. 5, USSR [English translation in: *Sov. J. Instrum. & Control (GB)*]

Prib. & Tekh. Eksp. (USSR) (1968—)
Coden: PRTEAJ ISSN 0032-8162
Pribory i Tekhnika Eksperimenta Agent: Mezhdunarodnaya Kniga Moskva, USSR [English translation in: *Instrum. & Exp. Tech. (USA)*]

Price Waterhouse Rev. (USA) (vol.17, no.2 Summer/Autumn 1972—)
Coden: PWTRBQ ISSN 0032-8170
Price Waterhouse Review Price Waterhouse & Co., 1251 Avenue of the Americas, New York, NY 10020, USA

Prikl. Geofiz. (USSR) (no.62 1971—)
Coden: PGVGAQ ISSN 0371-3970
Prikladnaya Geofizika Izdatel'sto 'Nedra', Moskva, K-12, Tret'yakovskii Proezd 1/19, USSR

Prikl. Mat. & Mekh. (USSR) (1968—)
Coden: PMAMAF ISSN 0032-8235
Prikladnaya Matematika i Mekhanika Akademiya Nauk SSSR, Leninskii Prosp. 14, Moskva. Agent: Mezhdunarodnaya Kniga, Moskva, USSR [English translation in: *Appl. Math. & Mech. (USA)*]

Prikl. Mekh. (USSR) (vol.7, no.12 Dec. 1971—)
Coden: PKMKAL ISSN 0032-8243
Prikladnaya Mekhanika Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR [English translation in: *Sov. Appl. Mech. (USA)*]

Printout (GB) (vol.1, no.1 Dec. 1979—)
Coden: PRNODM
Printout Title changed to: Microcomput. Printout (GB)

Priroda (USSR) (no.1 1975—)
Coden: PRIRA3 ISSN 0032-874X
Priroda Izdatel'stvo 'Nauka', Moskva G-99, Shubinskii Per. 10, USSR

Probl. Bioniki (USSR) (no.7 1971—)
Coden: PBNKAV ISSN 0555-2656
Problemy Bioniki Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR

†**Probl. Control & Inf. Theory (Engl. Transl. Pap. Russ.) (Hungary)** (vol.9, no.1 1980—)
Coden: PUTIAI ISSN 0370-2529
Problems of Control and Information Theory (English Translation of the Papers in Russian) Issued with: *Probl. Control & Inf. Theory (Hungary)*

Probl. Control & Inf. Theory (Hungary) (vol.1, no.1 1972—)
Coden: PUTIAI ISSN 0370-2529
Problems of Control and Information Theory Akademiai Kiado, Budapest 1363, P.O. Box 24, Hungary

Probl. Inf. & Doc. (Rumania) (vol.6, no.3 March 1972—)
Coden: PIDCA6 ISSN 0018-9111
Probleme de Informare si Documentare Institutul Central de Documentare Tehnica, Bucuresti, Str. Cosmonautilor nr. 27-29, Sectorul 1, Rumania

Probl. Inf. Transm. (USA) (1968—)
Coden: PRITA9 ISSN 0032-9460
Problems of Information Transmission [Translation of: *Probl. Peredachi Inf. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA

Probl. Kibern. (USSR) (no.26 1973—)
Coden: PRKIAK
Problemy Kibernetiki Izdatel'stvo 'Nauka', Moskva, v-71, Leninskii Prospekt 15, USSR

Probl. Peredachi Inf. (USSR) (vol.4, no.2 1968—)
Coden: PPDIA5 ISSN 0555-2923
Problemy Peredachi Informatsii Moskva. E-24, Aviamotoriaya 8, Korp. 2, USSR [English translation in: *Probl. Inf. Transm. (USA)*]

Probl. Prochn. (USSR) (vol.4, no.1 Jan. 1972—)
Coden: PPCNBG ISSN 0556-171X
Problemy Prochnosti Editorial address: Academy of Sciences of the Ukrainian SSR, Kiev, USSR [English translation in: *Strength Mater. (USA)*]

Probl. Tekh. Elektrodin. (USSR) (no.33 1972—)
Coden: PTEDAN
Problemy Tekhnicheskoi Elektrodinamiki Title changed to: Tekh. Elektrodin. (USSR)

Probl. Tekh. Kibern. & Robotikata (Bulgaria) (vol.13 1981—)
Coden: PTKRDU ISSN 0204-9848
Problemy na Tekhnicheskata Kibernetika i Robotikata Formerly: Probl. Tekh. Kibern. (Bulgaria)
Institute of Engineering Cybernetics and Robotics, 1113 Sofia, Acad. G. Bonchev Street, Bl. IV, Bulgaria

Probl. Tekh. Kibern. (Bulgaria) (vol.8 1978—)
Coden: PTKID3
Problemy na Tekhnicheskata Kibernetika Title changed to: Probl. Tekh. Kibern. & Robotikata (Bulgaria)

Proc. & Trans. Rhod. Sci. Assoc. (Rhodesia) (vol.54, pt.2 Nov. 1970—)
Coden: PTRHAW
Proceedings and Transactions of the Rhodesia Scientific Association Title changed to: Trans. Rhod. Sci. Assoc. (Rhodesia)

Proc. (Tr.) P.N. Lebedev Phys. Inst. (USA) (vol.93 1979—)
ISSN 0568-5508
Proceedings (Trudy) of the P.N. Lebedev Physics Institute [Translation of: *Tr. Ordena Lenina Fiz. Inst. P.N. Lebedeva (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA

Proc. Astron. Soc. Aust. (Australia) (1968—)
Coden: AAUPBC ISSN 0066-9997
Proceedings of the Astronomical Society of Australia University Grounds, Sydney, N.S.W, Australia

Proc. Br. Ceram. Soc. (GB) (1968—)
Coden: PBRCAR ISSN 0524-5141
Proceedings of the British Ceramic Society Shelton House, Stoke-on-Trent, England

Proc. Cambridge Philos. Soc. (GB) (1968—)
Coden: PCPSA4
Proceedings of the Cambridge Philosophical Society Title changed to: Math. Proc. Cambridge Philos. Soc. (GB)

Proc. Cosmic-Ray Res. Lab. Nagoya Univ. (Japan) (vol.23, no.1 Feb. 1980—)
Coden: MUKKDH ISSN 0250-5444
Proceedings of the Cosmic-Ray Research Laboratory of Nagoya University Cosmic Ray Research Laboratory and Department of Physics, Nagoya University, Chikusa-ku, Nagoya, Japan

Proc. Egypt. Acad. Sci. (1968—)
Coden: PEASAB ISSN 0369-8874
Proceedings of the Egyptian Academy of Sciences 'Dar el Hikma', 42 Qasr el Aini Street, Cairo, Egypt

†**Proc. IEEE (USA)** (1968—)
Coden: IEEPAD ISSN 0018-9219
Proceedings of the IEEE Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

Proc. Indian Acad. Sci. Chem. Sci. (vol.89, no.1 Feb. 1980—)
Coden: PIAADM ISSN 0370-0089
Proceedings of the Indian Academy of Sciences, Chemical Sciences Bangalore 560 080, India. Supersedes in part: Proc. Indian Acad. Sci. Sect. A

Proc. Indian Acad. Sci. Earth & Planet. Sci. (vol.89, no.1 March 1980—)
Coden: PIESDS ISSN 0370-0089
Proceedings of the Indian Academy of Sciences, Earth and Planetary Sciences Bangalore 560 006, India. Supersedes in part: Proc. Indian Acad. Sci. Sect. A

Proc. Indian Acad. Sci. Eng. Sci. (vol.3, pt.1 March 1980—)
Coden: PRISD9 ISSN 0253-4096
Proceedings of the Indian Academy of Sciences, Engineering Sciences Formerly: Proc. Indian Acad. Sci. Sect. C
Bangalore 560 080, India

Proc. Indian Acad. Sci. Math. Sci. (vol.89, no.1 Jan. 1980—)
Coden: PIAMDO ISSN 0370-0089
Proceedings of the Indian Academy of Sciences, Mathematical Sciences Bangalore 560 080, India. Supersedes in part: Proc. Indian Acad. Sci. Sect. A

Proc. Indian Acad. Sci. Sect. A (1968—)
Coden: PISAA7
Proceedings of the Indian Academy of Sciences Section A Journal split into three sections: Proc. Indian Acad. Sci. Chem. Sci., Proc. Indian Acad. Sci. Math. Sci., and Proc. Indian Acad. Sci. Earth & Planet. Sci.

Proc. Indian Acad. Sci. Sect. C (vol.1, no.1 July 1978—)
Coden: PIASD8
Proceedings of the Indian Academy of Sciences, Section C: Engineering Sciences Title changed to: Proc. Indian Acad. Sci. Eng. Sci.

Proc. Indian Assoc. Cultiv. Sci. (vol.52, no.8 Aug. 1969—)
Coden: PICSAF ISSN 0369-9897
Proceedings of the Indian Association for Cultivation of Sciences Issued with: *Indian J. Phys.*

Proc. Indian Natl. Sci. Acad. Part A (vol.36, no.1 Jan. 1970—)
Coden: PIPSBD ISSN 0370-0046
Proceedings of the Indian National Science Academy, Part A Formerly: Proc. Natl. Inst. Sci. India A
Bahadur Shah Zafar Marg, New Delhi 110 002, India

Proc. Inst. Electr. Eng. (GB) (1968—)
Coden: PIEEAH
Proceedings of the Institution of Electrical Engineers Merged with other journals and now published as IEE Proc. Parts A to I

Proc. Inst. Mech. Eng. (GB) (1968—)
Coden: PIMLAA ISSN 0020-3483
Proceedings of the Institution of Mechanical Engineers Journal split into two parts: Proc. Inst. Mech. Eng. Part A (GB) and Proc. Inst. Mech. Eng. Part B (GB)

Proc. Inst. Mech. Eng. Part A (GB) (vol.197 Jan. 1983—)
Coden: PPENET ISSN 0263-7138
Proceedings of the Institution of Mechanical Engineers, Part A (Power and Process Engineering) Mechanical Engineering Publications Ltd., P.O.Box 24, Northgate Avenue, Bury St. Edmunds, Suffolk IP32 6BW, England. Supersedes in part: Proc. Inst. Mech. Eng. (GB)

Proc. Inst. Mech. Eng. Part B (GB) (vol.197 Feb. 1983—)
Coden: MEMAEM ISSN 0263-7146
Proceedings of the Institution of Mechanical Engineers, Part B (Management and Engineering Manufacture) Mechanical Engineering Publications Ltd., P.O.Box 24, Northgate Avenue, Bury St. Edmunds, Suffolk IP32 6BW, England. Supersedes in part: Proc. Inst. Mech. Eng. (GB)

Proc. Inst. Mech. Eng. Part C (GB) (vol.197 March 1983—)
Coden: MESCEO ISSN 0263-7154
Proceedings of the Institution of Mechanical Engineers, Part C (Mechanical Engineering Science) Formerly: J. Mech. Eng. Sci. (GB)
Mechanical Engineering Publications Ltd., P.O.Box 24, Northgate Avenue, Bury St. Edmunds, Suffolk IP32 6BW, England

Proc. Inst. Radio & Electron. Eng. Aust. (Australia)
(vol.40, no.1 Jan.-Feb. 1979—)
Coden: MONIDI
Proceedings of the Institution of Radio and Electronics Engineers Australia Title changed to: Proc. IREE Aust. (Australia)

Proc. Inst. Radio & Electron. Eng. Aust. (Australia) (1968—)
Coden: PRAUA6
Proceedings of the Institution of Radio and Electronics Engineers, Australia Title changed to: Monitor (Australia)

Proc. Inst. Railw. Signal Eng. (GB) (1968—)
Coden: PRWEAY ISSN 0073-9839
Proceedings of the Institution of Railway Signal Engineers Room 534, British Transport Commission, 222 Marylebone Road, London, NW1, England

Proc. Iowa Acad. Sci. (USA) (vol.78, no.1-2 Oct. 1971—)
Coden: PIAIA9 ISSN 0085-2236
Proceedings of the Iowa Academy of Science University of Northern Iowa, Cedar Falls, IA 50613, USA

Proc. IREE Aust. (Australia) (vol.40, no.3 June 1979—)
Coden: PRAUA6
Proceedings of the IREE Australia Formerly: Proc. Inst. Radio & Electron. Eng. Aust. (Australia). Merged with Trans. Inst. Eng. Aust. Electr. Eng. (Australia) to form J. Electr. & Electron. Eng. Aust. (Australia)

Proc. Jpn. Acad. (Japan) (1968—)
Coden: PJACAW
Proceedings of the Japan Academy Journal split into two series: Proc. Jpn. Acad. Ser. A and B (Japan)

Proc. Jpn. Acad. Ser. A (Japan) (vol.53, no.1 April 1977—)
Coden: PJAADT ISSN 0386-2194
Proceedings of the Japan Academy, Series A, Mathematical Sciences Ueno Park, Tokyo 110, Japan. Supersedes in part: Proc. Jpn. Acad. (Japan)

Proc. Jpn. Acad. Ser. B (Japan) (vol.53, no.1 10 April 1977—)
Coden: PJABDW ISSN 0386-2208
Proceedings of the Japan Academy. Series B, Physical and Biological Sciences Ueno Park, Tokyo 110, Japan. Supersedes in part: Proc. Jpn. Acad. (Japan)

Proc. K. Ned. Akad. Wet. Ser. B (Netherlands) (1968—)
Coden: KNWBAA ISSN 0023-3366
Proceedings, Koninklijke Nederlandse Akademie van Wetenschappen. Series B (Physical Sciences) North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

Proc. Leeds Philos. & Lit. Soc. (GB) (1968—)
Coden: PIOAAL ISSN 0369-9986
Proceedings of the Leeds Philosophical and Literary Society The University, Leeds, England

Proc. Natl. Acad. Sci. India Sect. A (1968—)
Coden: PAIAA3 ISSN 0369-8203
Proceedings of the National Academy of Sciences of India. Section A (Physical Sciences) 5 Lajpatrai Road, Allahabad-2, India

Proc. Natl. Acad. Sci. USA (1968—)
Coden: PNASA6 ISSN 0027-8424
Proceedings of the National Academy of Sciences of the United States of America 2101 Constitution Avenue, Washington, DC 20418, USA

Proc. Natl. Inst. Sci. India A (1968—)
Coden: PIIAAP
Proceedings of the National Institute of Sciences of India Part A (Physical Sciences) Title changed to: Proc. Indian Natl. Sci. Acad. Part A

Proc. Pak. Acad. Sci. (Pakistan) (vol.19, no.1 1982—)
Coden: PKSPAW ISSN 0377-2969
Proceedings of the Pakistan Academy of Sciences Constitution Avenue, Islamabad, Pakistan

Proc. R. Inst. GB (vol.42, no.197, pt.4 1969—)
Coden: PIGBAI ISSN 0035-8959
Proceedings of the Royal Institution of Great Britain 21 Albemarle Street, London W1, England

Proc. R. Ir. Acad. Sect. A (Ireland) (1968—)
Coden: PRIAAK ISSN 0035-8975
Proceedings of the Royal Irish Academy, Section A (Mathematical, Astronomical and Physical Science) 19 Dawson Street, Dublin 2, Ireland

Proc. R. Soc. Edinburgh Sect. A (GB) (vol.71, pt.1 1972—)
Coden: PREAAY ISSN 0308-2105
Proceedings of the Royal Society of Edinburgh, Section A (Mathematical and Physical Sciences) 22 George Street, Edinburgh EH2 2PQ, Scotland

Proc. R. Soc. London Ser. A (GB) (1968—)
Coden: PRLAAZ ISSN 0080-4630
Proceedings of the Royal Society of London. Series A (Mathematical and Physical Sciences) 6 Carlton House Terrace, London SW1Y 5AG, England

Proc. R. Soc. Victoria (Australia) (1968—)
Coden: PRSVAV ISSN 0035-9211
Proceedings of the Royal Society of Victoria Royal Society's Hall, 9 Victoria Street, Melbourne, 3000 Victoria, Australia

Proc. Radio Club Am. (USA) (vol.45, no.1 March 1971—)
Coden: PRCAAO ISSN 0033-779X
Proceedings of the Radio Club of America Radio Club of America Inc., Fred Shunaman, 933 East Seventh Street, Plainfield, NJ 07062, USA

Proc. Res. Inst. Atmos. Nagoya Univ. (Japan) (vol.18 Jan. 1971—)
Coden: PATUAG ISSN 0077-264X
Proceedings of the Research Institute of Atmospherics Nagoya University Nagoya University, 13 Honohara, 3 Chrome, Toyokawa 442, Japan

†**Proc. S.I.D. (USA)** (vol.17, no.1 1976—)
Coden: SIDPAA ISSN 0036-1496
Proceedings of the S.I.D Formerly: Proc. Soc. Inf. Disp. (USA)
Society for Information Display, 654 North Sepulveda Boulevard, Los Angeles, CA90049, USA

Proc. Soc. Inf. Disp. (USA) (vol.11, no.1 1970—)
Coden: SIDPAA
Proceedings of the Society for Information Display Title changed to: Proc. S.I.D. (USA)

Proc. Soc. Photo-Opt. Instrum. Eng. (USA) (vol.190 1979—)
Coden: SPIECJ
Proceedings of the Society of Photo-Optical Instrumentation Engineers Title changed to: Proc. SPIE Int. Soc. Opt. Eng. (USA)

Proc. Soc. Relay Eng. (GB) (1968—)
Coden: PSREBH
Proceedings of Society of Relay Engineers Title changed to: Relay Eng. (GB)

Proc. SPIE Int. Soc. Opt. Eng. (USA) (vol.266 1981—)
Coden: PSISDG ISSN 0277-786X
Proceedings of the SPIE - The International Society for Optical Engineering Formerly: Proc. Soc. Photo-Opt. Instrum. Eng. (USA)
P.O.Box 10, Bellingham, WA 98227, USA

Proc. Univ. Newcastle-upon-Tyne Philos. Soc. (GB) (1968—)
Coden: PUNSAI ISSN 0078-0251
Proceedings of the University of Newcastle-upon-Tyne Philosophical Society Newcastle-upon-Tyne, England

Proc. Vib. Probl. (Poland) (1968—)
Coden: PVBPAO
Proceedings of Vibration Problems Title changed to: J. Tech. Phys. (Poland)

†**Process Autom. (Germany)** (no.1 1979—)
Coden: PPAUDT ISSN 0172-2611
Process Automation R. Oldenbourg Verlag GmbH, Rosenheimer Strasse 145, D-8000 Munchen 80, Germany

Process Eng. (Australia) (vol.11, no.1 Jan. 1983—)
Coden: PSENDF ISSN 0159-3935
Process Engineering IPC Business Press (Australia) Pty. Ltd., 3-13 Queen Street, Chippendale, NSW 2008, Australia

Process Eng. (GB) (Aug. 1972—)
Coden: PSEGAP ISSN 0370-1859
Process Engineering Morgan Grampian Process Press Ltd., 30 Calderwood Street, London SE18 6QH, England. Incorporates Chem. & Process Eng. (GB) and Process Eng. Plant & Control (GB)

Process Eng. (Germany) (no.1-2 Jan.-Feb. 1979—)
Coden: PROEDV
Process Engineering Formerly: AMR (Germany) Title changed to: PEM Masch. + Anlagenbau (Germany)

Process Eng. Plant & Control (GB) (Nov. 1969—)
Coden: PEPCB5
Process Engineering, Plant and Control Incorporated with Process Eng. (GB)

Prod. & Inventory Manage. (USA) (vol.22, no.3 1981—)
Coden: PIMGAT ISSN 0032-9843
Production and Inventory Management American Production and Inventory Control Society Inc., 2600 Virginia Avenue, Washington, DC 20037, USA

Prod. Eng. (USA) (vol.24, no.1 Jan. 1977—)
Coden: PENGD9 ISSN 0146-1737
Production Engineering Formerly: Automation (USA)
Penton/IPC Inc., Penton Plaza, 1111 Chester Avenue, Cleveland, OH 44144, USA

Prog. Aerosp. Sci. (GB) (vol.16, no.1 March 1975—)
Coden: PAESD6 ISSN 0376-0421
Progress in Aerospace Sciences Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Prog. Anal. At. Spectrosc. (GB) (vol.2, no.1-2 1979—)
Coden: PAASDK ISSN 0160-4139
Progress in Analytical Atomic Spectroscopy Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Prog. Biophys. & Mol. Biol. (GB) (vol.29, no.1 1975—)
Coden: PBIMAC ISSN 0079-6107
Progress in Biophysics & Molecular Biology Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Prog. Cryst. Growth & Charact. (GB) (vol.1, no.1 1977—)
Coden: PCGCDG ISSN 0146-3535
Progress in Crystal Growth and Characterization Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

†Prog. Mater. Sci. (GB) (vol.21, no.1 1975—)
Coden: PRMSAQ ISSN 0048-5500
Progress in Materials Science Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Prog. Nucl. Energy (GB) (vol.8, no.1 1981—)
Coden: PNENDE ISSN 0149-1970
Progress in Nuclear Energy Formerly: Prog. Nucl. Energy New Ser. (GB)
Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Prog. Nucl. Energy New Ser. (GB) (vol.1 1976—)
Coden: PNENDE ISSN 0079-6530
Progress in Nuclear Energy, New Series Title changed to: Prog. Nucl. Energy (GB)

†Prog. Nucl. Magn. Resonance Spectrosc. (GB) (vol.10, pt.1 1975—)
Coden: PNMRAT ISSN 0079-6565
Progress in Nuclear Magnetic Resonance Spectroscopy Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Prog. Oceanogr. (GB) (vol.7, no.1 1976—)
Coden: POCNA8 ISSN 0079-6611
Progress in Oceanography Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

†Prog. Part. & Nucl. Phys. (GB) (vol.1 1978—)
Coden: PPNPDB ISSN 0146-6410
Progress in Particle and Nuclear Physics Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Prog. Polym. Sci. (GB) (vol.5, no.1 1977—)
Coden: PRPSB8 ISSN 0079-6700
Progress in Polymer Science Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

†Prog. Quantum Electron. (GB) (vol.4, pt.1 April 1975—)
Coden: PQUEAH ISSN 0079-6727
Progress in Quantum Electronics Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Prog. Solid State Chem. (GB) (vol.10, pt.1 1975—)
Coden: PSSTAW ISSN 0079-6786
Progress in Solid State Chemistry Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Prog. Surf. Sci. (GB) (vol.2, pt.1 1972—)
Coden: PSSFBP ISSN 0079-6816
Progress in Surface Science Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW, England

†Prog. Theor. Phys. (Japan) (1968—)
Coden: PTPKAV ISSN 0033-068X
Progress of Theoretical Physics Research Institute for Fundamental Physics and the Physical Society of Japan. Publication office: Yukawa Hall, Kyoto University, 606 Kyoto, Japan

†Prog. Theor. Phys. Suppl. (Japan) (1968—)
Coden: PTPSAL ISSN 0375-9687
Supplement of the Progress of Theoretical Physics Research Institute for Fundamental Physics and the Physical Society of Japan. Publication Office: Yukawa Hall, Kyoto University, 606 Kyoto, Japan

Program (GB) (vol.3, no.1 April 1969—)
Coden: PRGMBD ISSN 0033-0337
Program Formerly: Program News Comput. Br. Libr. (GB)
Aslib, 3 Belgrave Square, London SW1X 8PL, England

Program News Comput. Br. Libr. (GB) (1968—)
Coden: PNCBAX
Program News of Computers in British Libraries Title changed to: Program (GB)

†Program. & Comput. Software (USA) (vol.1, no.4 July-Aug. 1975—)
Coden: PCSODA ISSN 0361-7688
Programming and Computer Software [Translation of: *Programmirovanie (USSR)*] Consultants Bureau, 233 Spring Street, New York, NY 10013, USA

Program. Learn. & Educ. Technol. (GB) (vol.5, no.2 April 1968—)
Coden: PLETAF ISSN 0033-0396
Programmed Learning and Educational Technology Kogan Page Ltd., 120 Pentonville Road, London N1 9JN, England

Programmirovanie (USSR) (no.2 March-April 1975—)
Coden: PROGD3 ISSN 0132-3474
Programmirovanie Izdatel'stvo 'Nauka', Moskva, USSR [English translation in: *Program. & Comput. Software (USA)*]

Prom. Energ. (USSR) (no.11 1968—)
Coden: PREGAI ISSN 0033-1155
Promyshlennaya Energetika Editorial address: 103012 Moskva, B. Cherkasskii per. 2/10, USSR

Prosthet. & Orthotics Int. (Denmark) (vol.3, no.1 April 1979—)
Coden: POIND7 ISSN 0309-3646
Prosthetics and Orthotics International International Society for Prosthetics and Orthotics (ISPO), P.O. Box 42, DK-2900 Hellerup, Denmark

Przegl. Elektron. (Poland) (1968—)
Coden: PRELAX
Przeglad Elektroniki Title changed to: Elektronika (Poland)

Przegl. Elektrotech. (Poland) (1968—)
Coden: PZELAL ISSN 0033-2097
Przeglad Elektrotechniczny Czackiego 3/5, 00-043, Warszawa, Poland

Przegl. Telekomun. (Poland) (1968—)
Coden: PZTKAP ISSN 0033-2399
Przeglad Telekomunikacynjy Editorial address: Ul. Barbary 2, pokoj 606, 00 686 Warszawa, Poland

PT/Elektrotech. Elektron. (Netherlands) (vol.37, no.1 Jan. 1982—)
Coden: PEELDD ISSN 0032-4086
PT/Elektrotechniek Elektronica Formerly: Polytech. Tijdschr. Elektrotech. Elektron. (Netherlands)
Stam Tijdschriften BV, Treubstraat 35, Postbus 235, 2280 AE Rijswijk, Netherlands

PT/Procestech. (Netherlands) (vol.37, no.1 Jan. 1982—)
Coden: PTPTBP
PT/Procestechniek Formerly: Polytech. Tijdschr. Procestech. (Netherlands)
Stam Tijdschriften BV, Treubstraat 35, Postbus 235, 2280 AE Rijswijk, Netherlands

PT/Werktuigbouw (Netherlands) (vol.37, no.1 Jan. 1982—)
Coden: PTWTAP
PT/Werktuigbouw Formerly: Polytech. Tijdschr. Werktuigbouw (Netherlands)
Stam Tijdschriften BV, Treubstraat 35, Postbus 235, 2280 AE Rijswijk, Netherlands

PTT-Bedr. (Netherlands) (1968—)
Coden: PTBDA8 ISSN 0030-8366
PTT-Bedrijf Direction Centrale des PTT, 12 Kortenaerkade, Den Haag, Netherlands

†Publ. Astron. Soc. Jpn. (Japan) (1968—)
Coden: PASJAC ISSN 0004-6264
Publications of the Astronomical Society of Japan Tokyo Astronomical Observatory, Mitaka, Tokyo, Japan

†Publ. Astron. Soc. Pac. (USA) (1968—)
Coden: PASPAU ISSN 0004-6280
Publications of the Astronomical Society of the Pacific Astronomical Society of the Pacific, 1290 24th Avenue, San Francisco, CA 94122, USA

Publ. Dom. Astrophys. Obs. (Canada) (1968—)
Coden: PDAOAQ ISSN 0078-6950
Publications of the Dominion Astrophysical Observatory, Victoria, British Columbia Dominion Astrophysical Observatory, Victoria, B.C, Canada

Publ. Earth Phys. Branch Dep. Energy Mines & Resour. (Canada) (vol.40, no.1 1970—)
Coden: PEPBB2 ISSN 0373-4838
Publications of the Earth Physics Branch Department of Energy, Mines and Resources 1 Observatory Crescent, Ottawa K1A 0Y3, Canada

Publ. Elektroteh. Fak. Ser. Elektroenerg. (Yugoslavia) (no.82-87 1981—)
Coden: PEFEDV ISSN 0351-4749
Publikacije Elektrotehnickog Fakulteta Serija: Elektroenergetika Elektrotehniki Fakultet, 11001 Beograd, Postanski Fah 816, Yugoslavia

Publ. Elektroteh. Fak. Ser. Elektron. Telekomun. Autom. (Yugoslavia) (no.114-117 1977—)
Coden: PEFADJ
Publikacije Elektrotehnickog Fakulteta Serija : Elektronika, Telekomunikacije, Automatika Odsek za Elektroniku, Elektrotehnicki Fakultet, 11001 Beograd, Postanski fah 816, Yugoslavia

Publ. Elektroteh. Fak. Ser. Mat. & Fiz. (Yugoslavia) (no.412-460 1973—)
Coden: PEUBAQ ISSN 0522-8441
Publikacije Elektrotehnickog Fakulteta. Serija Matematika i Fizika Katedra Matematike, Elektrotehnicki Fakultet, 11001 Beograd, Postanski Fah 816, Yugoslavia

Publ. Inst. R. Meteorol. Belg. Ser. A (Belgium) (1968—)
Coden: PMBAAI ISSN 0020-255X
Publications, Institut Royal Meteorologique de Belgique. Serie A, format in 4 3 Avenue Circulaire, Uccle-Bruxelles 1180, Belgium

†Publ. Inst. R. Meteorol. Belg. Ser. B (Belgium) (1968—)
Coden: PMBBAL ISSN 0770-4615
Publications, Institut Royal Meteorologique de Belgique, Serie B, format in 8 3 Avenue Circulaire, Uccle-Bruxelles 1180, Belgium

Publ. R. Obs. Edinburgh (GB) (vol.9, no.4 1976—)
Coden: PRYOA6 ISSN 0305-2001
Publications of the Royal Observatory Edinburgh Edinburgh EH9 3HJ, Scotland

Public Adm. Q. (USA) (vol.7, no.1 Spring 1983—)
ISSN 0734-9149
Public Administration Quarterly Southern Public Administration Education Foundation Inc., P.O.Box 632, Randallstown, MD 21133, USA

Public Financ. & Accountancy (GB) (vol.10, no.6 July 1983—)
Coden: PFACD7 ISSN 0305-9014
Public Finance and Accountancy Chartered Institute of Public Finance and Accountancy, 1 Buckingham Place, London SW1E 6HS, England

Public Light. (GB) (vol.36, no.154 Sept. 1971—)
Coden: PULIAC ISSN 0033-3603
Public Lighting Title changed to: IPLE Light. J. (GB)

Pulp & Pap. Can. (Canada) (vol.78, no.6 June 1977—)
Coden: PPCADD ISSN 0316-4004
Pulp & Paper Canada National Business Publications Ltd., 310 Victoria Avenue, Westmount, PQ. H3Z 2M9, Canada

Purch. & Supply Manage. (GB) (June 1983—)
Purchasing and Supply Management Institute of Purchasing and Supply, IPS House, High Street, Ascot, Berks, England

Pure & Appl. Chem. (GB) (vol.26, no.3-4 1971—)
Coden: PACHAS ISSN 0033-4545
Pure and Applied Chemistry Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Pure & Appl. Geophys. (Switzerland) (vol.93, no.1 1972—)
Coden: PAGYAV ISSN 0033-4553
Pure and Applied Geophysics Birkhauser Verlag, CH-4010 Basel, Elizabethenstrasse 19, Switzerland

Q. Appl. Math. (USA) (1968—)
Coden: QAMAAY ISSN 0033-569X
Quarterly of Applied Mathematics American Mathematical Society, P.O. Box 1571, Providence, RI 02901, USA

Q. Bull. Int. Assoc. Agric. Libr. & Doc. (Netherlands) (vol.17, no.2 1972—)
Coden: QBALAE ISSN 0020-5966
Quarterly Bulletin of the International Association of Agricultural Librarians and Documentalists Editorial address: "de Hulle", Hullerpad 14, Lunteren, Netherlands

Q. Colorado Sch. Mines (USA) (vol.64, no.2 April 1968—)
Coden: QCSMAC ISSN 0010-1753
Quarterly of the Colorado School of Mines Golden, CO 80401, USA

Q. J. Combust. Inst.
See: Combust. & Flame (USA)

Q. J. Mech. & Appl. Math. (GB) (vol.24, pt.1 Feb. 1971—)
Coden: QJMMAV ISSN 0033-5614
Quarterly Journal of Mechanics and Applied Mathematics Oxford University Press, Ely House, London, W1, England

Q. J. R. Astron. Soc. (GB) (1968—)
Coden: QJRAAK ISSN 0035-8738
Quarterly Journal of the Royal Astronomical Society Burlington House, London, W1V ONL, England

Q. J. R. Meteorol. Soc. (GB) (1968—)
Coden: QJRMAM ISSN 0035-9009
Quarterly Journal of the Royal Meteorological Society Cromwell House, High Street, Bracknell, Berks, England

Q. J. Seismol. (Japan) (vol.45, no.1-2 Dec. 1980—)
Coden: QJSMAR
Quarterly Journal of Seismology Japan Meteorological Agency, Otemachi, Chiyoda-ku, Tokyo, Japan

Q. Rep. Railw. Tech. Res. Inst. (Japan) (vol.9, no.4 Dec. 1968—)
Coden: QRTIA8 ISSN 0033-9008
Quarterly Report of the Railway Technical Research Institute Railway Technical Institute, JNR, Kunitachi, P.O. Box 9, Tokyo, Japan

Quaest. Inf. (S. Africa) (vol.1, no.1 June 1979—)
Coden: QUIFD2 ISSN 0254-2757
Quaestiones Informaticae Systems Publishers (Pty) Ltd., Box 31720, Braamfontein, Transvaal, South Africa

Qual. & Zuverlassigkeit (Germany) (vol.16, no.8 Aug. 1971—)
Coden: QLZVAZ ISSN 0720-1214
Qualitat und Zuverlassigkeit Carl Hanser Verlag, D-8000 Munchen 80, Kolbergerstrasse 22, Germany

Qual. Assur. (GB) (vol.1, no.1 March 1975—)
Coden: QUASDZ ISSN 0306-2856
Quality Assurance Formerly: Qual. Eng. (GB)
Institute of Quality Assurance, 54 Princes Gate, Exhibition Road, London, SW7 2PG, England

Qual. Eng. (GB) (vol.36, no.7 July 1972—)
Coden: QLEGAL
Quality Engineer Title changed to: Qual. Assur. (GB)

Qual. Prog. (USA) (vol.1, no.5 May 1968—)
Coden: QUPRB3 ISSN 0033-524X
Quality Progress American Society for Quality Control, 161 West Wisconsin Avenue, Milwaukee, WI 53203, USA

Qual. Today (GB) (Feb. 1983—)
Coden: QUTODG ISSN 0264-2344
Quality Today Formerly: Meas. & Insp. Technol. (GB)
Business Press International Ltd., Quadrant House, The Quadrant, Sutton, Surrey SM2 5AS, England

Qualite Rev. Prat. Controle Ind. (France) (vol.14, no.67 June 1974—)
Coden: RCOIAP ISSN 0033-5142
Qualite Revue Pratique de Controle Industriel Editions Ampere, 46 Rue Ampere, 75017 Paris, France

Quaternary Res. (USA) (vol.1, no.4 Dec. 1971—)
Coden: QRESAV ISSN 0033-5894
Quaternary Research Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

R & D Manage. (GB) (vol.2, no.3 June 1972—)
Coden: RDMAAW ISSN 0033-6807
R & D Management Basil Blackwell Publications, 108 Cowley Road, Oxford, OX4 1JF, England

R. Astron. Soc. Can. J.
See: J. R. Astron. Soc. Can. (Canada)

R. Astron. Soc. Mon. Not.
See: Mon. Not. R. Astron. Soc. (GB)

R. Astron. Soc. Q. J.
See: Q. J. R. Astron. Soc. (GB)

R. Dublin Soc. Sci. Proc. Ser. A
See: Sci. Proc. R. Dublin Soc. Ser. A (Ireland)

R. Electr. & Mech. Eng. J.
See: J. R. Electr. & Mech. Eng. (GB)

R. Greenwich Obs. Bull. (GB) (no.182 1976—)
Coden: BROYA2 ISSN 0308-5074
Royal Greenwich Observatory Bulletins Formerly: R. Obs. Bull. (GB)
Herstmonceux Castle, Hailsham, East Sussex BN27 1RP, England

R. Inst. GB Proc.
See: Proc. R. Inst. GB

R. Ir. Acad. Proc. Sect. A
See: Proc. R. Ir. Acad. Sect. A (Ireland)

R. Meteorol. Soc. Q. J.
See: Q. J. R. Meteorol. Soc. (GB)

R. Obs. Ann. (GB) (no.13 1980—)
Coden: ANRODJ ISSN 0080-4371
Royal Observatory Annals Royal Greenwich Observatory, Herstmonceux Castle, Hailsham, Sussex BN27 1RP, England

R. Obs. Bull. (GB) (no.159 1970—)
Coden: ROBSA6
Royal Observatory Bulletin Title changed to: R. Greenwich Obs. Bull. (GB)

R. Obs. Edinburgh Publ.
See: Publ. R. Obs. Edinburgh (GB)

R. Signals Inst. J.
See: J. R. Signals Inst. (GB)

R. Soc. Can. Trans.
See: Trans. R. Soc. Can. (Canada)

R. Soc. Edinburgh Commun.
See: Commun. R. Soc. Edinburgh (GB)

R. Soc. Edinburgh Proc. Sect. A
See: Proc. R. Soc. Edinburgh Sect. A (GB)

R. Soc. London Philos. Trans. A
See: Philos. Trans. R. Soc. London A (GB)

R. Soc. London Proc. Ser. A
See: Proc. R. Soc. London Ser. A (GB)

R. Soc. New South Wales J. & Proc.
See: J. & Proc. R. Soc. New South Wales (Australia)

R. Soc. Victoria Proc.
See: Proc. R. Soc. Victoria (Australia)

R. Telev. Soc. J. (GB) (1968—)
Coden: RTSJAV
Royal Television Society Journal Title changed to: Television (J. R. Telev. Soc.) (GB)

R.F. Des. (USA) (vol.4, no.5 Sept.-Oct. 1981—)
Coden: RFDEDG ISSN 0163-321X
R.F. Design Cardiff Publishing Co., 3900 S. Wadsworth Boulevard, Denver, CO 80235, USA

Radiat. & Environ. Biophys. (Germany) (vol.11, no.1 1974—)
Coden: REBPAT ISSN 0301-634X
Radiation and Environmental Biophysics Formerly: Biophysik (Germany)
Springer-Verlag, D-1000 Berlin 33, Heidelberger Platz 3, Germany

†**Radiat. Eff. (GB)** (vol.1, no.2 April 1969—)
Coden: RAEFBL ISSN 0033-7579
Radiation Effects Gordon & Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England

Radiat. Eff. Lett. (GB) (vol.43, no.1 1979—)
Coden: RAEFBL ISSN 0142-2448
Radiation Effects Letters Title changed to: Radiat. Eff. Lett. Sect. (GB)

†**Radiat. Eff. Lett. Sect. (GB)** (vol.78, no.1-2 1983—)
Coden: RELRDK ISSN 0142-2448
Radiation Effects Letters Section Formerly: Radiat. Eff. Lett. (GB)
Gordon and Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England

Radiat. Phys. & Chem. (GB) (vol.9, no.1-3 1977—)
Coden: RPCHDM ISSN 0146-5724
Radiation Physics and Chemistry Formerly: Int. J. Radiat. Phys. & Chem. (GB)
Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Radiat. Prot. (Korea) (vol.4, no.1 July 1979—)
Radiation Protection Korean Association for Radiation Protection, Seoul, Korea

Radiat. Prot. Dosim. (GB) (vol.1, no.1 1981—)
Coden: RPDODE ISSN 0144-8420
Radiation Protection Dosimetry Nuclear Technology Publishing, P.O.Box 7, Ashford, Kent, England

Radiat. Res. (USA) (1968—)
Coden: RAREAE ISSN 0033-7587
Radiation Research Radiation Research Society, Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

†**Radio & Electron. Eng. (GB)** (1968—)
Coden: RDEEA4 ISSN 0033-7722
Radio and Electronic Engineer Institution of Electronic and Radio Engineers, 8-9 Bedford Square, London, WC1B 3RG, England

Radio & Electron. World (GB) (vol.1, no.1 Oct. 1981—)
Coden: RELWDZ ISSN 0262-2572
Radio & Electronics World Broadcasting Ltd., 117a High Street, Brentwood, Essex, England

Radio Club Am. Proc.
See: Proc. Radio Club Am. (USA)

Radio Commun. (GB) (vol.47, no.9 Sept. 1971—)
Coden: RADCB7 ISSN 0033-7803
Radio Communication Radio Society of Great Britain, 35 Doughty Street, London, WC1N 2AE, England

Radio Corp. Am. Broadcast News
See: RCA Broadcast News (USA)

Radio Corp. Am. Rev.
See: RCA Rev. (USA)

Radio Corp. Am. Tech. Not.
See: RCA Tech. Not. (USA)

Radio Elektron. (Netherlands) (vol.28, no.1 16 Jan. 1980—)
Coden: RADEDF
Radio Elektronica Title changed to: Elektronica (Netherlands)

Radio Elektron. Schau (Austria) (vol.21, no.1 1971—)
Coden: RELSAK
Radio Elektronik Schau Formerly: Radio Schau (Austria) Title changed to: Elektronikschau (Austria)

†**Radio Eng. & Electron. Phys. (USA)** (1968—)
Coden: RENPAL ISSN 0033-7889
Radio Engineering and Electronic Physics [Translation of: *Radiotekh. & Elektron. (USSR)*] Scripta Publishing Corp., 1511 K Street N.W., Washington, DC 20005, USA

Radio Fernsehen Elektron. (Germany) (no.17 Sept. 1968—)
Coden: RFELB6 ISSN 0033-7900
Radio Fernsehen Elektronik VEB Verlag Technik, Oranienburgerstrasse 13/14, 102 Berlin Postfach 293, Germany

Radio Ind. (Italy) (vol.36, no.5 May 1969—)
Coden: RAINBV
Radio Industria Title changed to: Radioind. Elettron. - Telev. (Italy)

Radio Mentor (Germany) (1968—)
Coden: RDMNA3
Radio Mentor Title changed to: Radio Mentor Electron. (Germany)

Radio Mentor Electron. (Germany) (vol.38, no.4 April 1972—)
Coden: RMELBL ISSN 0033-7935
Radio Mentor Electronic Formerly: Radio Mentor (Germany). Now incorporated with Mess. & Pruef. (Germany)

Radio Res. Lab Rev.
See: Rev. Radio Res. Lab. (Japan)

Radio Res. Lab. J.
See: J. Radio Res. Lab. (Japan)

Radio Schau (Austria) (vol.12 1968—)
Coden: RDSCAY
Radio Schau Title changed to: Radio Elektron. Schau (Austria)

†**Radio Sci. (USA)** (1968—)
Coden: RASCAD ISSN 0048-6604
Radio Science American Geophysical Union, 2000 Florida Avenue, N.W., Washington, DC 20009, USA

Radio Telev. (Czechoslovakia) (no.2 1971—)
Coden: RDTLAW
Radio Television Title changed to: Radio Telev. Int. Rev. (Czechoslovakia)

Radio Telev. Int. Rev. (Czechoslovakia) (no.1 1982—)
Coden: RDTLAW ISSN 0033-7676
Radio Television International Review Formerly: Radio Telev. (Czechoslovakia)
Administrative Council of the International Radio and Television Organization (OIRT), Skokanska 1, 16956 Prague 6, Czechoslovakia

Radio-Electron. (USA) (1968—)
Coden: RAECAB ISSN 0033-7862
Radio-Electronics 200 Park Avenue South, New York, NY 10003, USA

Radio-TV-Electron. (Switzerland) (vol.32, no.1 Jan. 1972—)
Coden: RTESBN
Radio-TV-Electronic Title changed to: RTE (Switzerland)

†**Radioact. Waste Manage. & Nucl. Fuel Cycle (Switzerland)** (vol.3, no.1 1982—)
Coden: RWMCD4 ISSN 0142-2405
Radioactive Waste Management and the Nuclear Fuel Cycle Formerly: Radioact. Waste Manage. (Switzerland)
Harwood Academic Publishers GmbH, Poststrasse 22, CH-7000 Chur, Switzerland

Radioact. Waste Manage. (Switzerland) (vol.1, no.2 Sept. 1980—)
Coden: RWMADW ISSN 0142-2405
Radioactive Waste Management Title changed to: Radioact. Waste Manage. & Nucl. Fuel Cycle (Switzerland)

Radiobiologiya (USSR) (vol.21, no.4 July-Aug. 1981—)
Coden: RADOA8 ISSN 0033-8192
Radiobiologiya Editorial address: 103717 GSP, K-62 Moskva, Podsosenskii Pereulok nom 21, Komn. 30, USSR

Radiochem. & Radioanal. Lett. (Switzerland) (vol.2, no.1 26 Sept. 1969—)
Coden: RRALAZ ISSN 0079-9483
Radiochemical and Radioanalytical Letters Elsevier Sequoia S.A., P.O. Box 851, CH-1001 Lausanne, Switzerland. Akademiai Kiado, Alkotmany U 21, Budapest 5, Hungary

†**Radioelectron. & Commun. Syst. (USA)** (vol.21, no.1 1978—)
Coden: RCSYDS ISSN 0033-7870
Radioelectronics and Communication Systems [Translation of: *Izv. VUZ Radioelektron. (USSR)*] Allerton Press Inc., 150 Fifth Avenue, New York, NY 10011, USA

Radiographer (Australia) (vol.23, no.3 1982—)
Coden: RDGRAJ
Radiographer Business Manager, The Radiographer, P.O.Box 278, East Melbourne, Vic. 3002, Australia

Radioind. Elettron. - Telev. (Italy) (vol.1, no.1 Jan.-Feb. 1977—)
Coden: RELTDQ ISSN 0391-4291
Radioindustria Elettronica - Televizione Formerly: Radio Ind. (Italy)
Franco Angeli Editore, Viale Monza 106, 20127 Milano, Italy

Radioisotopes (Japan) (vol.28, no.12 Dec. 1979—)
Coden: RAISAB ISSN 0033-8303
Radioisotopes Japan Radioisotope Association, 2-28-45, Honkomagome, Bunkyo-ku, Tokyo 113, Japan

Radiol. Prot. Bull. (GB) (no.5 Oct. 1973—)
Coden: RDPBAG ISSN 0308-4272
Radiological Protection Bulletin National Radiological Protection Board, Harwell, Didcot, Berks, England

Radiology (USA) (vol.134, no.2 Feb. 1980—)
Coden: RADLAX ISSN 0033-8419
Radiology Radiological Society of North America Inc., 20th and Northampton Streets, Easton, PA 18042, USA

†**Radiophys. & Quantum Electron. (USA)** (vol.10, no.1 Jan. 1970—)
Coden: RPQEAC ISSN 0033-8443
Radiophysics and Quantum Electronics [Translation of: *Izv. VUZ Radiofiz. (USSR)*] Consultants Bureau, 233 Spring Street, New York, NY 10013, USA

Radiotechnika (Hungary) (vol.29, no.11 Nov. 1979—)
Coden: RATKA8 ISSN 0033-8478
Radiotechnika Kiadja a Zrinyi Katonai Konyv- es Lapkiado, Budapest VIII, Kerespesi ut 29/b, Hungary

Radiotekh. & Elektron. (USSR) (1968—)
Coden: RAELA4 ISSN 0033-8494
Radiotekhnika i Elektronika Editorial address: 103907 Moskva TSP-3, Pr. Karl Marx 18, USSR [English translation in: *Radio Eng. & Electron. Phys. (USA)*]

Radiotekhnika, Kharkov (USSR) (no.24 1973—)
Coden: RTKHAJ ISSN 0485-8972
Radiotekhnika Izdatel'stvo "Visha Shkola", Kharkov Gosudarstvennom Universitete, 310003 Khar'kov, USSR

†**Radiotekhnika, Moskva (USSR)** (1968—)
Coden: RATEAO ISSN 0033-8486
Radiotekhnika Editorial Address: 103031 Moskva K31, Kuznetskii Most D 20, USSR [English translation in: *Telecommun. & Radio Eng. Part 2 (USA)*]

Rail Int. (Belgium) (vol.1, no.1 Jan. 1970—)
Coden: RAIIAF ISSN 0020-8442
Rail International International Railway Congress Association, Rue de France 85, B-1070 Bruxelles, Belgium

Railw. Age (USA) (vol 176, no.22 24 Nov. 1975—)
Coden: RAAGA3 ISSN 0033-8826
Railway Age Formerly: RSC Railw. Syst. Controls (USA)
Simmons-Boardman Publishing Corp., 508 Birch Street, Bristol, CT 06010, USA

Railw. Eng. (S. Africa) (vol.15, no.3 May-June 1971—)
Coden: RANGAY
Railway Engineering Title changed to: Railw. South. Afr. (S. Africa)

Railw. Gaz. Int. (GB) (vol.126, no.20 Nov. 1970—)
Coden: RWGIAN ISSN 0373-5346
Railway Gazette International Formerly: Int. Railw. Gaz. (GB)
IPC Transport Press Ltd., Quadrant House, The Quadrant, Sutton, Surrey SM2 5AS, England

Railw. South. Afr. (S. Africa) (March 1977—)
Coden: RSAFDR
Railways Southern Africa Formerly: Railw. Eng. (S. Africa) Title changed to: Railways (S. Africa)

Railw. Tech. Res. Inst. Q. Rep.
See: Q. Rep. Railw. Tech. Res. Inst. (Japan)

Railways (S. Africa) (Dec. 1978—)
Coden: RAILDR ISSN 0254-2218
Railways Formerly: Railw. South. Afr. (S. Africa)
Thomson Publications SA (Pty.) Ltd., P.O. Box 8308, Johannesburg 2000, South Africa

RAIRO Anal. Numer. (France) (vol.11, no.1 1977—)
Coden: RFANDS ISSN 0399-0516
RAIRO Analyse Numerique/Numerical Analysis Centrale des Revues Dunod/Gauthier-Villars, B.P. 119, 93104 Montreuil Cedex, France

RAIRO Autom./Syst. Anal. & Control (France) (vol.11, no.1 1977—)
Coden: RFAADN ISSN 0399-0524
RAIRO Automatique/Systems Analysis and Control Centrale de Revues Dunod/Gauthier-Villars B.P. 119, 93104 Montreuil Cedex, France

RAIRO Inf. Theor./Theor. Comput. Sci. (France) (vol.13, no.1 1979—)
Coden: RSITD7
RAIRO Informatique Theoretique/Theoretical Computer Science Title changed to: RAIRO Inf. Theor./Theor. Inf. (France)

†**RAIRO Inf. Theor./Theor. Inf. (France)** (vol.14, no.4 1980—)
Coden: RSITD7 ISSN 0399-0540
RAIRO Informatique Theorique/Theoretical Informatics Formerly: RAIRO Inf. Theor./Theor. Comput. Sci. (France)
Centrale des Revues Dunod/Gauthier-Villars, B.P. 119, 93104 Montreuil Cedex, France

†**RAIRO Inf./Comput. Sci. (France)** (vol.11, no.1 1977—)
Coden: RSINDN ISSN 0399-0532
RAIRO Informatique/Computer Science Formerly: Rev. Fr. Autom. Inf. Rech. Oper. (France)
Centrale des Revues Dunod/Gauthier-Villars, B.P. 119, 93104 Montreuil Cedex, France

RAIRO Rech. Oper./Oper. Res. (France) (vol.13, no.1 Feb. 1979—)
Coden: RSROD3 ISSN 0399-0559
RAIRO Recherche Operationnelle/Operations Research Centrale des Revues Dunod/Gauthier-Villars, 70 rue de Saint-Mande, B.P. 119, 93104 Montreuil Cedex, France

Range (Netherlands) (no.38 1972—)
Coden: RNVPAM ISSN 0033-9199
Range Philips' Telecommunicatie Industrie BV, Hilversum, Netherlands

RCA Broadcast News (USA) (vol.151 Nov. 1973—)
Coden: RCABB3 ISSN 0096-7785
RCA Broadcast News RCA Communications Systems Division, Princeton, NJ 08540, USA

†**RCA Rev. (USA)** (1968—)
Coden: RCARCI ISSN 0033-6831
RCA Review Radio Corporation of America, RCA Laboratories Division, Princeton, NJ 08540, USA

RCA Tech. Not. (USA) (no.TN-1144 30 March 1976—)
Coden: RCTNAV ISSN 0483-7495
RCA Technical Notes Radio Corporation of America, Princeton, NJ 08540, USA

†**Rec. AT&T Bell Lab. (USA)** (vol.61, no.7 Sept. 1983—)
ISSN 0005-8564
Record AT&T Bell Laboratories Formerly: Bell Lab. Rec. (USA)
Bell Telephone Laboratories Inc., 600 Mountain Avenue, Murray Hill, NJ 07974, USA

Rec. Electr. & Commun. Eng. Conversazione Tohoku Univ. (Japan) (vol.39, no.4 Dec. 1970—)
Coden: TDDDAI ISSN 0385-7719
Record of Electrical and Communication Engineering Conversazione Tohoku University Tohoku University, Research Institute of Electrical Communication, Sendai, Japan

Rech. Aerosp. (France) (no.133 Nov.-Dec. 1969—)
Coden: REARAU ISSN 0034-1223
Recherche Aerospatiale Office National d'Etudes et de Recherches Aerospatiales, 29 Avenue de la Division Leclerc, 92320-Chatillon, France

Rechentech. Datenverarb. (Germany) (vol.10, no.1 Jan. 1973—)
Coden: RTDVAQ ISSN 0300-3450
Rechentechnik Datenverarbeitung Verlag die Wirtschaft Berlin, 1055 Berlin, Am Friedrichshain 22, Germany

Recherche (France) (no.25 July-Aug. 1972—)
Coden: RCCHBV ISSN 0029-5671
Recherche Societe d'Editions Scientifiques, 57 rue de Seine, 75006 Paris, France

Ref. Libr. (USA) (no.4 Summer 1982—)
Coden: RELBD6 ISSN 0276-3877
Reference Librarian Haworth Press Inc., 28 East 22 Street, New York, NY 10010, USA

Refractories (USA) (1968—)
Coden: REFRAL ISSN 0034-3102
Refractories [Translation of: *Ogneupory (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA

Refrigeration (Japan) (vol.54, no.625 Nov. 1979—)
Coden: RITOA8 ISSN 0034-3714
Refrigeration Japanese Association of Refrigeration, 8 San'ei-cho, Shinjuku-ku, Tokyo 160, Japan

Regelungstech. & Prozess-Datenverarb. (Germany) (vol.19, no.9 Sept. 1971—)
Coden: RPZDAK
Regelungstechnik und Prozess-Datenverarbeitung Title changed to: Regelungstechnik (Germany)

Regelungstech. Prax. & Prozess-Rechentech. (Germany) (vol.13, no.5 Oct. 1971—)
Coden: RPPRBD
Regelungstechnische Praxis und Prozess-Rechentechnik Title changed to: Regelungstech. Prax. (Germany)

Regelungstech. Prax. (Germany) (1968—)
Coden: RGPXAZ ISSN 0340-4730
Regelungstechnische Praxis Formerly: Regelungstech. Prax. & Prozess-Rechentech. (Germany)
R. Oldenbourg, Rosenheimer Strasse 145, 8 Munchen 80, Germany

Regelungstechnik (Germany) (1968—)
Coden: RLSTA5 ISSN 0340-434X
Regelungstechnik Formerly: Regelungstech. & Prozess-Datenverarb. (Germany)
R. Oldenbourg, Rosenheimer Strasse 145, 8 Munchen 80, Germany

Regul. & Mando Autom. (Spain) (vol.15, no.108 May 1981—)
Coden: RMAUDU ISSN 0040-1722
Regulacion y Mando Automatico Formerly: Tec. Regul. & Mando Autom. (Spain)
Compania Espanola de Editoriales Tecnologias Internacionales S.A. (CETISA), Concepcion Arenal 5 y 7, E-Barcelona (27), Spain

Reito
See: Refrigeration (Japan)

Relay Eng. (GB) (vol.9, no.1 Jan. 1971—)
Coden: RLEGAW
Relay Engineer Formerly: Proc. Soc. Relay Eng. (GB) Title changed to: Cable Telev. Eng. (GB)

Reliab. Eng. (GB) (vol.2, no.1 Jan.-March 1981—)
Coden: RLENDM ISSN 0143-8174
Reliability Engineering Applied Science Publishers Ltd., Ripple Road, Barking, Essex, England

Remote Sensing Environ. (USA) (vol.1, no.1 March 1968—)
Coden: RSEEA7 ISSN 0034-4257
Remote Sensing of Environment American Elsevier Publishing Co., 52 Vanderbilt Avenue, New York, NY 10017, USA

Rend. Ist. Lomb. A (Italy) (1968—)
Coden: RLMAAK ISSN 0021-2504
Istituto Lombardo. Rendiconti A. Scienze Accademia di Scienze e Lettere, Palozzo Brera, Via Brera 28, Milano, Italy

Rep. Fac. Eng. Nagasaki Univ. (Japan) (1983—)
Coden: NDKHD2
Reports of the Faculty of Engineering, Nagasaki University 1-14 Bunkyo-machi, Nagasaki-shi 852, Japan

Rep. Fac. Eng. Shizuoka Univ. (Japan) (1968—)
Coden: SDKKAT ISSN 0583-0915
Reports of the Faculty of Engineering Shizuoka University Hamamatsu, Japan

Rep. Fac. Eng. Yamanashi Univ. (Japan) (1983—)
Coden: YDKHAI ISSN 0513-1871
Reports of the Faculty of Engineering, Yamanashi University 4 Takeda, Kofu-shi, Yamanashi 400, Japan

Rep. Gov. Ind. Res. Inst. Nagoya (Japan) (1968—)
Coden: NKGSAR ISSN 0027-7614
Reports of the Government Industrial Research Institute Nagoya Hirate-machi Kita-ku, Nagoya, Japan

Rep. Gov. Ind. Res. Inst. Osaka (Japan) (1983—)
Coden: OKGHA5 ISSN 0472-1438
Reports of the Government Industrial Research Institute, Osaka 1-8-31 Midorigaoka, Ikeda, Osaka 563, Japan

Rep. Himeji Inst. Technol. (Japan) (no.22A 1969—)
Coden: HKDKAO ISSN 0439-1535
Reports of Himeji Institute of Technology Himeji, Japan

Rep. Inst. High Speed Mech. Tohoku Univ. Ser. B (Japan) (1968—)
Coden: RHSMAO ISSN 0370-5315
Reports of the Institute of High Speed Mechanics, Tohoku University (A section of: Science Reports of the Research Institute, Tohoku University, Series B (Technology)) Sendai, Japan

Rep. Inst. Ind. Sci. Univ. Tokyo (Japan) (vol.22, no.4 Oct. 1972—)
Coden: RIISAX ISSN 0040-9006
Report of the Institute of Industrial Science, University of Tokyo 22-1 Roppongi, 7-chome, Minato-ku, Tokyo 106, Japan

Rep. Inst. Phys. & Chem. Res. (Japan) (vol.47, no.1 1971—)
Coden: RKKHAO ISSN 0020-3084
Reports of the Institute of Physical and Chemical Research Rikagaku Kenkyushu, Wako-shi, Saitama 351, Japan

Rep. Ionos. & Space Res. Jpn. (Japan) (1968—)
Coden: RISRAC
Report of Ionosphere and Space Research in Japan Title changed to: Sol. Terr. Environ. Res. Jpn. (Japan)

Rep. Math. Phys. (GB) (vol.1, no.1 Aug. 1970—)
Coden: RMHPBE ISSN 0034-4877
Reports on Mathematical Physics Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England. Subscription address: ARS Polona-Ruch Foreign Trade Enterprise, Krakowskie Przedmiescie 7, 00-068 Warszawa

†**Rep. Prog. Phys. (GB)** (1968—)
Coden: RPPHAG ISSN 0034-4885
Reports on Progress in Physics Institute of Physics, 47 Belgrave Square, London, SW1X 8QX, England

Rep. Res. Inst. Appl. Mech. (Japan) (vol.19, no.64 Jan. 1972—)
Coden: RMKUA9 ISSN 0023-6195
Reports of Research Institute for Applied Mechanics Kyushu University, Hakozaki, Fukuoka 812, Japan

Rep. Res. Inst. Ind. Sci. Kyushu Univ. (Japan) (1968—)
Coden: KURRAE ISSN 0368-6841
Reports of the Research Institute of Industrial Science, Kyushu University Fakuota, Kyushu, Japan

Rep. Res. Inst. Sci. & Technol. Nihon Univ. (Japan) (no.19 Aug. 1976—)
Coden: RRITAV ISSN 0370-7024
Report of the Research Institute of Science and Technology Nihon University Rikogaku-Kenkuyjo (Research Institute of Science and Technology), Nihon University, No. 8, 1-chome, Surugadai, Kanda, Chiyoda-ku, Tokyo, Japan

Rep. Res. Inst. Strength & Fract. Mater. (Japan) (1968—)
Coden: TDSKBD ISSN 0563-6590
Reports of the Research Institute for Strength and Fracture of Materials Tohoku University, Sendai, Japan

Rep. Res. Lab. Eng. Mater. Tokyo Inst. Technol. (Japan) (1983—)
Coden: RRLTDF ISSN 0385-3799
Report of the Research Laboratory of Engineering Materials, Tokyo Institute of Technology 4259 Nagatsuta-cho, Midori-ku, Yokohama 227, Japan

Rep. Res. Lab. Surf. Sci. Okayama Univ. (Japan) (vol.3, no.3 Oct. 1969—)
Coden: RSSOA5 ISSN 0078-429X
Reports of the Research Laboratory for Surface Science, Okayama University Faculty of Science, Okayama, Japan

Rep. Stat. Appl. Res. UJSE (Japan) (vol.16, no.1 March 1969—)
Coden: RARJAT ISSN 0034-4842
Reports of Statistical Application Research, Union of Japanese Scientists and Engineers 5-10-11 Sendagaka, Shibuya-ku, Tokyo, Japan

Rep. Technol. Iwate Univ. (Japan) (1983—)
Coden: IDKKAL ISSN 0376-0537
Report on Technology of Iwate University Faculty of Engineering, Iwate University, 4-3-5 Ueda, Morioka-shi, Iwate 020, Japan

Rep. Univ. Electro-Commun. (Japan) (no.29 March 1971—)
Coden: DTDRAU ISSN 0493-4253
Reports of the University of Electro-Communications University of Electro-Communications, 1-5-1 Chofugaoka, Chofu-shi, Tokyo, Japan

Reprogr. Q. (GB) (vol.7, no.2 Spring 1974—)
Coden: RPGQAW ISSN 0306-2880
Reprographics Quarterly Formerly: NRCd Bull. (GB)
National Reprographic Centre, Hatfield Polytechnic, Bayfordbury, Lower Hatfield Road, Hertford, Herts. SG13 8LD, England

Res Mech. (GB) (vol.3, no.2 Sept. 1981—)
Coden: RESMD6 ISSN 0143-0084
Res Mechanica Applied Science Publishers Ltd., Ripple Road, Barking, Essex, England

Res Mech. Lett. (GB) (vol.1, no.1 Jan. 1981—)
Coden: RMLED3 ISSN 0144-7831
Res Mechanica Letters Applied Science Publishers Ltd., Ripple Road, Barking, Essex, England

Res. Bull. Hiroshima Inst. Technol. (Japan) (1983—)
Coden: HKDKDR ISSN 0385-1672
Research Bulletin of the Hiroshima Institute of Technology 725 Miyake, Itsukaichi-cho, Saiki-gun, Hiroshima 738, Japan

Res. Bull. Reg. Eng. Coll. Warangal (India) (vol.2 1967—)
Coden: WREBAC ISSN 0511-1110
Research Bulletin, Regional Engineering College, Warangal Warangal (AP) Kazipet (PO), India

Res. Disclosure (GB) (no.101 Sept. 1972—)
Coden: RSDSBB ISSN 0374-4353
Research Disclosure Industrial Opportunities Ltd., 13/14 Homewell, Havant, Hants. PO9 1EF, England

Res. Electrotech. Lab. (Japan) (1968—)
Coden: DSKHAS ISSN 0366-9106
Researches of the Electrotechnical Laboratory 1-1-4, Umezono, Sakuramura, Niihari-gun, Ibaraki, Japan

Res. Inst. Appl. Electr. Bull.
See: Bull. Res. Inst. Appl. Electr. (Japan)

Res. Rep. Autom. Control Lab. Fac. Eng. Nagoya Univ. (Japan) (vol.18 June 1971—)
Coden: NDKJA5 ISSN 0374-4329
Research Reports of Automatic Control Laboratory, Faculty of Engineering, Nagoya University Chikusa, Nagoya, Japan

Res. Rep. Fac. Eng. Meiji Univ. (Japan) (no.23 1968—)
Coden: MDKKAV ISSN 0465-6075
Research Reports of the Faculty of Engineering, Meiji University Meiji, Japan

Res. Rep. Fac. Eng. Tokyo Denki Univ. (Japan) (no.28 Dec. 1980—)
Coden: RPFUD8 ISSN 0389-617X
Research Reports of the Faculty of Engineering, Tokyo Denki University Formerly: Res. Rep. Tokyo Denki Univ. (Japan)
Tokyo, Japan

Res. Rep. Fac. Sci. & Technol. Meijyo Univ. (Japan) (1983—)
Coden: MDRKAW ISSN 0386-4952
Research Reports of the Faculty of Science and Technology, Meijyo University 69-49 Yagoto Urayama, Tenpaku-cho, Tenpaku-ku, Nagoya 468, Japan

Res. Rep. Inf. Sci. Ser. B (Japan) (1983—)
Research Reports on Information Sciences, Series B (Operations Research) Tokyo Institute of Technology, Department of Information Sciences, 2-12-1, O-okayama, Meguro-ku, Tokyo 152, Japan

Res. Rep. Inf. Sci. Ser. C (Japan) (1983—)
Research Reports on Information Sciences, Series C (Computer Science) Tokyo Institute of Technology, Department of Information Sciences, 2-12-1, O-okayama, Meguro-ku, Tokyo 152, Japan

Res. Rep. Inst. Inf. Sci. & Technol. Tokyo Denki Univ. (Japan) (no.4 Oct. 1978—)
Coden: KHDKD5
Research Reports, Institute of Information Science & Technology, Tokyo Denki University Tokyo, Japan

Res. Rep. Kogakuin Univ. (Japan) (1983—)
Coden: KDKHAY ISSN 0368-5098
Research Reports of Kogakuin University 1-24-2 Shinjuku-ku, Tokyo 160-91, Japan

Res. Rep. Nagaoka Tech. Coll. (Japan) (vol.6, no.4 Dec. 1970—)
Coden: NKTDAD ISSN 0027-7568
Research Reports of the Nagaoka Technical College Library of the Nagaoka Technical College, Nishi-Katakai-machi, Nagaoka-shi, Niigata-ken, Japan

Res. Rep. Tokyo Denki Univ. (Japan) (no.26 Dec. 1978—)
Coden: RRTUDO
Research Reports of Tokyo Denki University Title changed to: Res. Rep. Fac. Eng. Tokyo Denki Univ. (Japan)

Res./Dev. (USA) (vol.20, no.11 Nov. 1969—)
Coden: REDEA6
Research/Development Title changed to: Ind. Res./Dev. (USA)

Resour. & Energy (Netherlands) (vol.1, no.3 Nov. 1978—)
Coden: RESND9 ISSN 0165-0572
Resources and Energy North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

Resour. Manage. & Optimiz. (Switzerland) (vol.1, no.1 1980—)
Coden: RMOPDH ISSN 0142-2391
Resource Management and Optimization Harwood Academic Publishers GmbH, Poststrasse 22, CH-7000 Chur, Switzerland

Resour. Sharing & Libr. Networks (USA) (vol.1, no.2-3 1981-1982—)
Coden: RSLND4 ISSN 0270-3173
Resource Sharing & Library Networks Haworth Press Inc., 28 East 22 Street, New York, NY 10010, USA

Retail & Distrib. Manage. (GB) (vol.11, no.5 Sept. 1983—)
ISSN 0307-2363
Retail & Distribution Management Newman Publishing Ltd., 48 Poland Street, London W1V 4PP, England

Rev. A (Belgium) (1968—)
Coden: RVUAAS
Revue A Title changed to: J. A (Belgium)

Rev. Acad. Cienc. Zaragoza (Spain) (vol.22, no.2 1967—)
Coden: RACZA2 ISSN 0370-3207
Revista de la Academia de Ciencias Zaragoza Academia de Ciencias Exactas, Fisico-Quimicas y Naturales de Zaragoza, Plaza de Paraiso 1, Zaragoza, Spain

Rev. Acoust. (France) (vol.13, no.53 1980—)
ISSN 0557-7713
Revue d'Acoustique Groupement des Acousticiens de Langue Francaise. Editorial address: CNET, 17-19 rue Ernest Laval, 92170 Vanves, France

Rev. AIBDA (Costa Rica) (vol.2, no.1 Jan.-June 1981—)
Coden: REVADJ ISSN 0250-3190
Revista AIBDA Secretaria Ejecutiva de AIBDA, c/o IICA-CIDIA, Turrailba, Costa Rica

Rev. Autom. (Spain) (vol.1, no.1 July-Sept. 1968—)
Coden: RAUTB7
Revista de Automatica Title changed to: Rev. Inf. & Autom. (Spain)

Rev. Belge Stat. Inf. & Rech. Oper. (Belgium) (vol.16, no.3 Oct. 1976—)
Coden: RBSODP ISSN 0373-9597
Revue Belge de Statistique, d'Informatique et de Recherche Operationnelle (Belgisch Tijdschrift voor Statistiek, Informatiek en Operationeel Onderzoek) SOGESCI Societe Belge pour l'Application des Methodes Scientifiques de Gestion, Rue du Neufchatel 66, 1060 Bruxelles, Belgium

Rev. Bras. Fis. (Brazil) (vol.1, no.1 April 1971—)
Coden: RBFSA3 ISSN 0374-4922
Revista Brasileira de Fisica Sociedade Brasileira de Fisica, Cx. Postal 20553, Sao Paolo SP, Brazil

Rev. Cethedec (France) (1968—)
Coden: RCETA8 ISSN 0035-2535
Revue du Cethedec Centre d'Etudes Theoriques de la Detection et des Communications, 5 bis, avenue de la Porte de Sevres, Paris 15, France

† indicates a journal abstracted completely

Rev. Chim. Miner. (France) (vol.7, no.1 1970—)
Coden: RVCMA8 ISSN 0035-1032
Revue de Chimie Minerale Centrale des Revues Dunod-Gauthier-Villars, 70 rue de Saint-Mande, B.P. 119, 93104 Montreuil Cedex, France

Rev. Colomb. Fis. (Colombia) (vol.14, no.2 1980—)
Coden: RCFIDH ISSN 0120-2650
Revista Colombiana de Fisica Sociedad Colombiana de Fisica, Apartado Aereo 16776, Bogota, Colombia

Rev. E (Belgium) (1968—)
Coden: RVUEA6
Revue E Merged with Bull. Soc. R. Belge Electr. (Belgium) to form SRBE-KBVE (Belgium)

†**Rev. Electr. Commun. Lab. (Japan)** (1968—)
Coden: RELTAN ISSN 0029-067X
Review of the Electrical Communication Laboratories Nippon Telegraph and Telephone Public Corp., Midori-cho, 9-11 Musasino-si, 3 chome, Tokyo 180, Japan

Rev. Electrotec. (Argentina) (1968—)
Coden: RVELAF ISSN 0370-7857
Revista Electrotecnica Asociacion Argentina de Electrotecnicos y del Comite Electrotecnico Argentina, Posadas 1659, Buenos Aires, Argentina

Rev. Electrotec. (Spain) (1968—)
Coden: RVELAF
Revista Electrotecnica Asociacon Electrotecnica Espanola, Aribau 61, Barcelona, Spain

Rev. Energ. (France) (vol.25, no.265 Aug.-Sept. 1974—)
Coden: REEND7 ISSN 0303-240X
Revue de l'Energie Formerly: Rev. Fr. Energ. (France)
Les Editions Techniques et Economiques, 3 Rue Soufflot, 75005 Paris, France

Rev. Esp. Doc. Cient. (Spain) (vol.1, no.1 1977—)
Coden: REDCD3 ISSN 0210-0614
Revista Espanola de Documentacion Cientifica Instituto de Informacion y Documentacion en Cienca y Tecnologia, Joaquin Costa 22, Madrid 6, Spain

Rev. Esp. Electron. (Spain) (vol.19, no.206 Jan. 1972—)
Coden: RVEEBT ISSN 0482-6396
Revista Espanola de Electronica Ediciones Tecnicas 'Rede', Apartado 5252, Barcelona, Spain

Rev. Fac. Eng. Univ. Porto (Portugal) (1968—)
Coden: RFEPAH ISSN 0374-4213
Revista da Faculdade de Engenharia, Universidade do Porto Porto, Portugal

Rev. Fac. Sci. Univ. Istanbul C (Turkey) (1968—)
Coden: IFMCAL
Revue de la Faculte des Sciences de l'Universite d'Istanbul (Istanbul Universitesi Fen Fakultesi Mecmuasi) Serie C (Astronomie, Physique, Chimie) Title changed to: Rev. Fac. Sci. Univ. Istanbul Ser. C (Turkey)

Rev. Fac. Sci. Univ. Istanbul Ser. C (Turkey) (vol.45 1980—)
Coden: RFSCDH ISSN 0444-7298
Review of Faculty of Science University of Istanbul, Serie C (Istanbul Universitesi fen Fakultesi Mecmuasi, Seri C) Formerly: Rev. Fac. Sci. Univ. Istanbul C (Turkey)
Fen Fakultesi Basimevi, Istanbul, Turkey

Rev. FITCE (Belgium) (no.1 Jan.-Feb. 1973—)
Coden: RFITBG ISSN 0304-4416
Revue F.I.T.C.E Federation des Ingenieurs des Telecommunications de la Communaute Europeenne, 42 rue des Palais, 1030 Bruxelles, Belgium

Rev. Fr. Autom. Inf. Rech. Oper. (France) (vol.6, no.B-1 Jan. 1972—)
Coden: RFAIAA
Revue Francaise d'Automatique Informatique Recherche Operationnelle Formerly: Rev. Fr. Inf. & Rech. Oper. (France) Title changed to: RAIRO Inf./Comput. Sci. (France)

Rev. Fr. Electr. (France) (vol.41, no.223 1968—)
Coden: RFELA5 ISSN 0035-2926
Revue Francaise de l'Electricite Editions Sodel, 336-340 rue St-Honore, 75001 Paris, France

Rev. Fr. Energ. (France) (vol.21, no.220 April 1970—)
Coden: RVFEAX
Revue Francaise de l'Energie Title changed to: Rev. Energ. (France)

Rev. Fr. Inf. & Rech. Oper. (France) (vol.2, no.10 July 1968—)
Coden: RFIOAY
Revue Francaise d'Informatique et de Recherche Operationnelle Title changed to: Rev. Fr. Autom. Inf. Rech. Oper. (France)

Rev. Gen. Chemins de Fer (France) (1968—)
Coden: RGCFAI ISSN 0035-3183
Revue General des Chemins de Fer Centrale des Revues, 11 rue Gossin, 92543 Montrouge Cedex, France [English translations of selected articles in:*Fr. Railw. Rev. (GB)*]

Rev. Gen. Electr. (France) (1968—)
Coden: RGELAC ISSN 0035-3116
Revue Generale de l'Electricite Societe des Electriciens des Electroniciens et des Radioelectriciens, 48 rue de la Procession, 75724 Paris, Cedex 15, France

Rev. Gen. Nucl. (France) (vol.1, no.4 Sept.-Oct. 1975—)
Coden: RGNUDJ ISSN 0335-5004
Revue Generale Nucleaire Societe Francaise d'Energie Nuclaire, 48 rue de la Procession, 75724 Paris Cedex 15, France

Rev. Gen. Therm. (France) (vol.9, no.101 May 1970—)
Coden: RGTHA7 ISSN 0035-3159
Revue Generale de Thermique Thermique & Industrie, EEII, 30 Rue de la Source, 75016 Paris, France

Rev. Geofis. (Spain) (1968—)
Coden: RGNGA8
Revista de Geofisica Catedra de Geofisica, Facultad de C. Fisicas, Universidad Complutense, Madrid-3, Spain. Journal suspeded publication 1979-81

†**Rev. Geophys. & Space Phys. (USA)** (vol.8, no.1 Feb. 1970—)
Coden: RGPSBL ISSN 0034-6853
Reviews of Geophysics and Space Physics Formerly: Rev. Geophys. (USA)
American Geophysical Union, 1909 K Street, N.W., Washington, DC 20006, USA

Rev. Geophys. (USA) (1968—)
Coden: RVGPB4
Reviews of Geophysics Title changed to: Rev. Geophys. & Space Phys. (USA)

†**Rev. HF (Belgium)** (1968—)
Coden: RVUHAF ISSN 0035-3248
Revue HF Societe Belge des Ingenieurs des Telecommunications et d'Electronique, 66 Chaussee de Ruisbrock, Bruxelles 1190, Belgium

Rev. Inf. & Autom. (Spain) (vol.7, no.19 1974—)
Coden: RIAUD2 ISSN 0210-8712
Revista de Informatica y Automatica Formerly: Rev. Autom. (Spain)
Asociacion Espanola de Informatica y Automatica, Facultad de Ciencias, Ciudad Universitaria, Madrid-3, Spain

Rev. Int. Hautes Temp. & Refract. (France) (vol.8, no.2 April-June 1971—)
Coden: RIHTAV ISSN 0035-3434
Revue Internationale des Hautes Temperatres et des Refractaires Masson et Cie S.A., 120 Boulevard Saint-Germain, F-75280 Paris Cedex 06, France

†**Rev. Jeumont-Schneider (France)** (1968—)
Coden: RJSCA8 ISSN 0035-3558
Revue Jeumont-Schneider 5 Place de Rio de Janeiro, Paris 8, France

†**Rev. Mex. Astron. & Astrofis. (Mexico)** (vol.1, no.1 April 1974—)
Coden: RMAAD4 ISSN 0185-1101
Revista Mexicana de Astronomia y Astrofisica Instituto de Astronomia, UNAM, Apartado Postal 70-264, Mexico 20, D.F, Mexico

†**Rev. Mex. Fis. (Mexico)** (1968—)
Coden: RMXFAT ISSN 0035-001X
Revista Mexicana de Fisica Sociedad Mexicana de Fisica, Apartado Postal No.20-364, Mexico 20, D.F, Mexico

†**Rev. Mod. Phys. (USA)** (1968—)
Coden: RMPHAT ISSN 0034-6861
Reviews of Modern Physics Published for the American Physical Society by the American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

Rev. Opt. (France) (1968—)
Coden: ROTIAW
Revue d'Optique (Theorique et Instrumentale) Title changed to: Nouv. Rev. Opt. Appl. (France)

†**Rev. Phys. Appl. (France)** (1968—)
Coden: RPHAAN ISSN 0035-1687
Revue de Physique Appliquee Editions de Physique, Z.I. de Courtaboeuf, B.P. 112, Avenue du Hoggar, 91944 Les Ulis Cedex, France

Rev. Phys. Technol. (GB) (vol.1, no.3 1970—)
Coden: RPTCAL
Review of Physics in Technology Title changed to: Phys. Technol. (GB)

Rev. Polytech. (Switzerland) (no.1261 25 Jan. 1969—)
Coden: RVPTBR ISSN 0374-4256
Revue Polytechnique Chemin de la Caroline 22, 1213 Petit-Lancy, Geneve, Switzerland

†**Rev. Radio Res. Lab. (Japan)** (vol.16, no.85 July 1970—)
Coden: DKKIBA ISSN 0033-801X
Review of the Radio Research Laboratories Ministry of Posts & Telecommunications, Nukui-Kitamachi, Konganei-shi, Tokyo 184, Japan

†**Rev. Roum. Phys. (Rumania)** (1968—)
Coden: RRPQAN ISSN 0035-4090
Revue Roumaine de Physique Academie Republicii Populare Romine, Boite Postale 134-135, Bucuresti, Rumania

†**Rev. Roum. Sci. Tech. Ser. Electrotech. & Energ. (Rumania)** (1968—)
Coden: RTEEAE ISSN 0035-4066
Revue Roumaine des Sciences Techniques. Serie Electrotechnique et Energetique Academia Republicii Populare Romine. Editorial address: Sos. Vitan 236, Bucuresti, Rumania

Rev. Roum. Sci. Tech. Ser. Mec. Appl. (Rumania) (1968—)
Coden: RTMAA8 ISSN 0035-4074
Revue Roumaine des Sciences Techniques. Serie de Mecanique Appliquee Str. Constantin Mille 15, Bucuresti, Rumania

†**Rev. Sci. Instrum. (USA)** (1968—)
Coden: RSINAK ISSN 0034-6748
Review of Scientific Instruments American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

†**Rev. Tech. Thomson-CSF (France)** (vol.1, no.3 Sept. 1969—)
Coden: RTTCBG ISSN 0035-4279
Revue Technique Thomson-CSF Masson et Cie S.A., 120 Boulevard Saint-Germain, F-75280 Paris Cedex 06, France

Rev. Telecomun. (Spain) (1968—)
Coden: RVTEAZ ISSN 0034-8961
Revista de Telecomunicacion Consejo Tecnica de Telecomunicacion, Palacio de Comunicaciones, Apartado 936, Madrid, Spain

Rev. Telegr. Electron. (Argentina) (no.722 Jan. 1973—)
Coden: RTELB2 ISSN 0035-0516
Revista Telegrafica Electronica Editorial address: Avenida Martin Garcia 653, Buenos Aires, Argentina

Reyrolle Parsons Rev. (GB) (vol.1, no.1 Summer 1971—)
Coden: REYRAE
Reyrolle Parsons Review Formerly: Parsons J. (GB) Title changed to: NEI Rev. (GB)

Rheol. Acta (Germany) (1968—)
Coden: RHEAAK ISSN 0035-4511
Rheologica Acta Dr. Steinkopf Verlag, 6100 Darmstadt, Postfach 1008, Germany

Rhod. Eng. (Rhodesia) (vol.8, no.5 Sept. 1970—)
Coden: RHENAP
Rhodesian Engineer Title changed to: Zimbabwe Eng.

†**Ric. Autom. (Italy)** (vol.1, no.1 Sept. 1970—)
Coden: RCAUBQ ISSN 0048-8291
Ricerche di Automatica E.S.I.A., Edizioni Scientifiche Inglesi Americane srL., Via Sommacampagna 11-13, 00185 Roma, Italy

Ric. Spettrosc. (Italy) (1968—)
Coden: RSLAAU ISSN 0370-7342
Ricerche Spettroscopiche Specola Vaticana, Citta del Vaticano, Italy

Rikagaku Kenkyusho Hokoku
See: Rep. Inst. Phys. & Chem. Res. (Japan)

Risk Anal. (USA) (vol.1, no.1 March 1981—)
Coden: RIANDF ISSN 0272-4332
Risk Analysis Plenum Publishing Corp., 233 Spring Street, New York, NY 10013, USA

Risk Manage. (USA) (vol.29, no.1 Jan. 1982—)
Coden: RMGTDN ISSN 0035-5593
Risk Management Risk Management Society Publishing Inc., 205 East 42nd Street, New York, NY 10017, USA

Ritsumeikan Daigaku Rikogaku Kenkyusho Kiyo
See: Mem. Res. Inst. Sci. & Eng. Ritsumeikan Univ. (Japan)

Ritsumeikan Univ. Res. Inst. Sci. & Eng. Mem.
See: Mem. Res. Inst. Sci. & Eng. Ritsumeikan Univ. (Japan)

†**Riv. Inf. (Italy)** (vol.5, no.2 June 1974—)
Coden: RIINDL ISSN 0390-668X
Rivista di Informatica AICA - Associazione Italiana per il Calcolo Automatica, c/o FAST, P. le Rodolfo Morandi 2, 20121 Milano, Italy

†**Riv. Nuovo Cimento (Italy)** (vol.1, no.1 Jan.-March 1969—)
Coden: RNUCAC ISSN 0035-5917
Rivista del Nuovo Cimento Societa Italiana di Fisica, Via Degli Andalo 2, Bologna 40124, Italy

Robot (Japan) (1983—)
Coden: ROBBDQ ISSN 0387-1940
Robot Japan Industrial Robot Association, 3-5-8 Shiba-kohen, Minato-ku, Tokyo 105, Japan

Robotics Age (USA) (vol.4, no.4 July-Aug. 1982—)
Coden: ROAGD2 ISSN 0197-1905
Robotics Age Robotics Age Inc., Strand Building, 174 Concord Street, Peterborough, NH 03458, USA

Robotics Today (USA) (vol.4, no.2 April 1982—)
Coden: ROTODJ ISSN 0193-6913
Robotics Today Robotics International of the Society of Manufacturing Engineers, One SME Drive, P.O.Box 930, Dearborn, MI 48128, USA

Robotto
See: Robot (Japan)

Rock Mech. & Rock Eng. (Austria) (vol.16, no.1 Feb. 1983—)
Coden: RMREDX ISSN 0723-2632
Rock Mechanics and Rock Engineering Formerly: Rock Mech. (Austria)
Springer-Verlag, Molkerbastei 5, P.O.Box 367, A-1011 Wien, Austria

Rock Mech. (Austria) (vol.4, no.1 1972—)
Coden: RMFMAS ISSN 0035-7448
Rock Mechanics (Felsmechanik-Mecanique des Roches) Title changed to: Rock Mech. & Rock Eng. (Austria)

Roentgen-Bl. Prax. & Klin. (Germany) (vol.36, no.7 July 1983—)
ISSN 0300-8592
Rontgen-Blatter Praxis und Klinik Formerly: Roentgenpraxis (Germany)
Georg Thieme Verlag, Rudigerstrasse 14, Postfach 732, 7000 Stuttgart 1, Germany

Roentgenpraxis (Germany) (vol.23, no.12 Dec. 1970—)
Coden: RGPXB2 ISSN 0035-7820
Rontgenpraxis Title changed to: Roentgen-Bl. Prax. & Klin. (Germany)

Rostock Univ. Wiss. Z. Ges.-Sprachwiss. Reihe
See: Wiss. Z. Univ. Rostock Ges.-Sprachwiss. Reihe (Germany)

†**Rozpr. Electrotech. (Poland)** (1968—)
Coden: RZETAX ISSN 0035-9386
Rozprawy Electrotechniczne Panstwowe Wydaioructwo Naukowe, Warszawa, Miodowa 10, Poland

Rozpr. Hydrotech. (Poland) (no.22 1968—)
Coden: RZHTAE ISSN 0035-9394
Rozprawy Hydrotechniczne Instytut Budownictwa Wodnego, Polskiej Akademii Nauk w Gdansku, Gdansk, Poland

RSC Railw. Syst. Controls (USA) (vol.2, no.1 Jan. 1971—)
Coden: RSYCAX
RSC Railway System Controls Title changed to: Railw. Age (USA)

RTE (Switzerland) (no.11 1979—)
Coden: RTEEDH
RTE Formerly: Radio-TV-Electron. (Switzerland) Title changed to: Electron. Sound + RTE (Switzerland)

†**Rundfunktech. Mitt. (Germany)** (1968—)
Coden: RUMIA5 ISSN 0035-9890
Rundfunktechnische Mitteilungen Institut fur Rundfunktechnik, Mittelweg 113, Hamburg 13, Germany

Russ. Eng. J. (GB) (vol.49, no.2 1969—)
Coden: RENJA3 ISSN 0036-0228
Russian Engineering Journal Merged with Mach. & Tool. (GB) to form Sov. Eng. Res. (GB)

Russ. Metall. (GB) (no.4 1974—)
Coden: RMLYAQ ISSN 0036-0295
Russian Metallurgy [Translation of: *Izv. Akad. Nauk. SSSR Met.*]
Scientific Information Consultants Ltd., 661 Finchley Road, London, NW2 2HN, England

Rutgers Comput. & Technol. Law J. (USA) (vol.8, no.2 1980—)
Coden: RCTJDM
Rutgers Computer & Technology Law Journal Formerly: Rutgers J. Comput. Technol. & Law (USA)
Rutgers Law School, 15 Washington Street, Newark, NJ 07102, USA

Rutgers J. Comput. & Law (USA) (vol.2, no.1 1971—)
Coden: RJCLAN
Rutgers Journal of Computers and the Law Title changed to: Rutgers J. Comput. Technol. & Law (USA)

Rutgers J. Comput. Technol. & Law (USA) (vol.8, no.1 1980—)
Coden: RJCLDQ
Rutgers Journal of Computers, Technology and the Law Formerly: Rutgers J. Comput. & Law (USA) Title changed to: Rutgers Comput. & Technol. Law J. (USA)

Rydge's (Australia) (vol.56, no.8 Aug. 1983—)
ISSN 0036-0511
Rydge's Rydge Publications Pty. Ltd., Box 3337, Sydney, NSW 2000, Australia

Ryukyu Daigaku Rigakubu kiyo
See: Bull. Coll. Sci. Univ. Ryukyus (Japan)

Ryukyus Univ. Coll. Sci. Bull.
See: Bull. Coll. Sci. Univ. Ryukyus (Japan)

S. Afr. Inst. Electr. Eng. Trans.
See: Trans. S. Afr. Inst. Electr. Eng. (S. Africa)

S. Afr. J. Antarct. Res. (no.2 1972—)
Coden: SAARCF ISSN 0081-2455
South African Journal of Antarctic Research Editorial Address: P.O. Box 3718, Johannesburg, South Africa

S. Afr. J. Librarianship & Inf. Sci. (S. Africa) (vol.50, no.1 July 1982—)
Coden: SATIDG ISSN 0038-240X
South African Journal for Librarianship and Information Science (Suid-Afrikaanse Tydskrif vir Biblioteek- en Inligtingwese) South African Insitute for Librarianship and Information Science, c/o Prof. R.B. Zaaiman, Department of Library and Information Science, University of South Africa, P.O.Box 392, Pretoria 0001, South Africa

S. Afr. J. Phys. (S. Africa) (vol.1, no.1 1978—)
Coden: SAPHDR ISSN 0379-4377
South African Journal of Physics (Suid-Afrikaanse Tydskrif vir Fisika) Bureau for Scientific Publications, P.O. Box 1758, Pretoria 0001, South Africa

S. Afr. Mech. Eng. (S. Africa) (vol.30, no.11 Nov. 1980—)
Coden: SAMEAY ISSN 0038-2442
South African Mechanical Engineer South African Institute of Mechanical Engineers, P.O.Box 61019, Marshalltown 2107, South Africa

S.-Afr. Tydskr. Bibl.- & Inligtingwese
See: S. Afr. J. Librarianship & Inf. Sci. (S. Africa)

S.-Afr. Tydskr. Fis.
See: S. Afr. J. Phys. (S. Africa)

Saehkoe (Finland) (1968—)
Coden: SAEFAV
Sahko Electricity in Finland Title changed to: Saehkoe Electr. & Electron. (Finland)

Saehkoe Electr. & Electron. (Finland) (vol.54, no.7-8 Aug. 1981—)
Coden: SAHKDU ISSN 0036-2670
Sahko Electricity and Electronics Formerly: Saehkoe (Finland)
Pohjoinen Rautatiekatu 17 A 1, 00100 Helsinki 10, Finland

SAEST Trans.
See: Trans. SAEST (India)

Saitama Daigaku Kiyo, Rikogakubu, Kogakukei
See: Sci. & Eng. Rep. Saitama Univ. Ser. C (Japan)

Saitama Univ. Sci. & Eng. Rep. Ser. C
See: Sci. & Eng. Rep. Saitama Univ. Ser. C (Japan)

Saitama Univ. Sci. Rep. Ser. A
See: Sci. Rep. Saitama Univ. Ser. A (Japan)

Sales & Mark. Manage. (USA) (1983—)
ISSN 0163-7517
Sales & Marketing Management Bill Communications, 633 Third Avenue, New York, NY 10164-0563, USA

Satell. Commun. (USA) (vol.3, no.8 Aug. 1979—)
Coden: SACODH ISSN 0147-7439
Satellite Communications Cardiff Publishing Co., 3900 South Wadsworth Boulevard, Denver, CO 80235, USA

Satell. TV News (GB) (no.9 June 1983—)
Coden: STVND4 ISSN 0265-2927
Satellite TV News HRC Editorial Services, 41-47 Derby Road, Heanor, Derbyshire DE7 7QH, England

Sb. Kratk. Soobshch. Fiz. AN SSSR Fiz. Inst. P.N. Lebedeva (no.3 1974—)
Sbornik Kratkie Soobshcheniya po Fizike. AN SSSR. Fizicheskii Institut im. P.N. Lebedeva Editorial address: II733, Moskva B-333, Leninskii Prospekt 53, USSR [English translation in: *Sov. Phys.-Lebedev Inst. Rep. (USA)*]

Scand. Audiol. (Sweden) (vol.8, no.1 1979—)
Coden: SNADAS ISSN 0105-0397
Scandinavian Audiology Almqvist & Wiksell Periodical Co., P.O. Box 62, S-101 20 Stockholm, Sweden

Scand. Audiol. Suppl. (Sweden) (no.9 1979—)
Coden: SAUSBF ISSN 0107-8593
Scandinavian Audiology Supplementum Issued with: *Scand. Audiol. (Sweden)*

Scand. J. Metall. (Finland) (vol.10, no.1 1981—)
Coden: SJMLAG ISSN 0371-0459
Scandinavian Journal of Metallurgy P.O.Box 244, SF-001310 Helsinki 13, Finland

Scand. J. Stat. Theory & Appl. (Sweden) (vol.2, no.2 1975—)
Coden: SJSADG ISSN 0303-6898
Scandinavian Journal of Statistics Theory and Applications Almqvist & Wiksell Periodical Co., P.O. Box 62, S-101 20 Stockholm 1, Sweden

Scanner (GB) (no.37 Summer 1969—)
Coden: SCANAF ISSN 0487-577X
Scanner Journal of Decca Radar Ltd., Decca House, Albert Embankment, London, SE1, England

Scanning (Germany) (vol.2, no.1 1979—)
Coden: SCNNDF ISSN 0161-0457
Scanning Verlag Gerhard Witzstrock GmbH, P.O. Box 509, D-7570 Baden-Baden, Germany

Scanning Electron Microsc. (USA) (pt.1 1979—)
Coden: SEMYBL ISSN 0586-5581
Scanning Electron Microscopy P.O. Box 66507, AMF O'Hare, IL 60666, USA

Schweiz. Inst. Nuklearforsch. Newsl.
See: SIN Newsl. (Switzerland)

Schweiz. Tech. Z. (Switzerland) (vol.73, no.47-48 25 Nov. 1976—)
Coden: STZTA5 ISSN 0040-151X
Schweizerische Technische Zeitschrift Schweizerischer Technischer Verband, Weinbergstrasse 41, 8023 Zurich, Switzerland

Sci-Tech News (USA) (vol.27, no.1 Spring 1973—)
Coden: STNWAM ISSN 0036-8059
Sci-Tech News Anita Friedman, Xerox Corporation, Technical Library A3-25, 701 S.Aviation Blvd., El Segundo, CA 90245, USA

Sci. & Cult. (India) (1968—)
Coden: SCINAL ISSN 0036-8156
Science and Culture Indian Science News Association, 92 Acharya Prafullachandra Road, Calcutta 9, India

Sci. & Eng. Rep. Def. Acad. (Japan) (vol.16, no.4 Dec. 1978—)
Coden: BDRKAD
Scientific and Engineering Reports of the Defense Academy Title changed to: Sci. & Eng. Rep. Natl. Def. Acad. (Jpn.) (Japan)

Sci. & Eng. Rep. Natl. Def. Acad. (Jpn.) (Japan) (vol.18, no.1 March 1980—)
Coden: BDRHD7 ISSN 0385-7301
Scientific and Engineering Reports of the National Defense Academy (Japanese) Formerly: Sci. & Eng. Rep. Def. Acad. (Japan)
Hashirimizu 1-10-20, Yokosuka 239, Japan

Sci. & Eng. Rep. Saitama Univ. Ser. C (Japan) (no.4 Dec. 1970—)
Coden: SSECBD ISSN 0586-7266
Science and Engineering Reports of Saitama University, Series C
Urawa-City, Saitama-ken, Japan

Sci. & Eng. Rev. Doshisha Univ. (Japan) (1968—)
Coden: DDRKAZ ISSN 0036-8172
Science and Engineering Review of Doshisha University Science and Engineering Research Institute of Doshisha University, Kyoto, Japan

† indicates a journal abstracted completely

Sci. & Technol. Libr. (USA) (vol.3, no.1 Fall 1982—)
Coden: STELDF ISSN 0194-262X
Science & Technology Libraries Haworth Press Inc., 28 East 22 Street, New York, NY 10010, USA

Sci. Am. (USA) (1968—)
Coden: SCAMAC ISSN 0036-8733
Scientific American 415 Madison Avenue, New York, NY 10017, USA

Sci. Atmos. Sin. (China) (vol.2, no.4 1978—)
Coden: TKHSDX
Scientia Atmospherica Sinica Science Press, Peking. Subscription address: Guozi Shudian, P.O. Box 399, Peking, People's Republic of China

†**Sci. Comput. Program. (Netherlands)** (vol.1, no.1-2 Oct. 1981—)
Coden: SCPGD4 ISSN 0167-6423
Science of Computer Programming North-Holland Publishing Co., P.O.Box 103, 1000 AC Amsterdam, Netherlands

Sci. Dimension (Canada) (vol.1, no.1 April 1969—)
Coden: NRSDAN ISSN 0036-830X
Science Dimension National Research Council of Canada, Ottawa K1A OR6, Canada

†**Sci. Electr. (Switzerland)** (1968—)
Coden: SCELAT ISSN 0036-8695
Scientia Electrica Institut fur Hohere Elektrotechnik, Eidgenossische Technische Hochschule, Gloriastr. 35, 8006-Zurich, Switzerland

Sci. J. (GB) (1968—)
Coden: SCJUAD
Science Journal Incorporated with New Sci. (GB)

Sci. Pap. Coll. Arts & Sci. Univ. Tokyo (Japan) (vol.33, no.1 June 1983—)
ISSN 0040-8964
Scientific Papers of the College of Arts and Sciences, University of Tokyo Formerly: Sci. Pap. Coll. Gen. Educ. Univ. Tokyo (Japan)
Komaba, Meguro-ku, Tokyo 153, Japan

Sci. Pap. Coll. Gen. Educ. Univ. Tokyo (Japan) (1968—)
Coden: SPUTAK ISSN 0040-8964
Scientific Papers of the College of General Education, University of Tokyo Title changed to: Sci. Pap. Coll. Arts & Sci. Univ. Tokyo (Japan)

Sci. Pap. Inst. Phys. & Chem. Res. (Japan) (1968—)
Coden: SPIPAG ISSN 0020-3092
Scientific Papers of the Institute of Physical and Chemical Research Rikagaku Kenkyusho, Wako-shi, Saitama 351, Japan

Sci. Proc. R. Dublin Soc. Ser. A (Ireland) (1968—)
Coden: SPDAAE ISSN 0080-4339
Scientific Proceedings of the Royal Dublin Society, Series A Ball's Bridge, Dublin, Ireland

Sci. Prog. (GB) (1968—)
Coden: SCPRAY ISSN 0036-8504
Science Progress Blackwell Scientific Publications, Oxford, England

Sci. Rep. Kanazawa Univ. (Japan) (vol.13, no.1 June 1968—)
Coden: SRKAAT ISSN 0022-8338
Science Reports of Kanazawa University Faculty of Science, Kanazawa University, Kanazawa, Japan

Sci. Rep. Osaka Univ. (Japan) (1968—)
Coden: SCRTAG ISSN 0474-781X
Science Reports Osaka University College of General Education, Osaka University, Toyonaka, Osaka, Japan

Sci. Rep. Res. Inst. Tohoku Univ. Ser. A (Japan) (1968—)
Coden: SRTAA6 ISSN 0040-8808
Science Reports of the Research Institutes, Tohoku University. Series A (Physics, Chemistry, and Metallurgy) Sendai, Japan

Sci. Rep. Saitama Univ. Ser. A (Japan) (1968—)
Coden: SRSAAZ ISSN 0558-2431
Science Reports of the Saitama University. Series A (Mathematics, Physics and Chemistry) Urawa, Japan

Sci. Rep. Tohoku Univ. Eighth Ser. Phys. & Astron. (Japan) (vol.1, no.1 June 1980—)
Coden: SRTAD9 ISSN 0388-5607
Science Reports of the Tohoku University, Eighth Series, Physics and Astronomy Faculty of Science, Tohoku University, Sendai 980, Japan

Sci. Rep. Tohoku Univ. I (Japan) (1968—)
Coden: STUCAV ISSN 0040-8778
Science Reports of the Tohoku University, First Series Library, Department of Chemistry, Faculty of Science, Tohoku University, Sendai 980, Japan

Sci. Rep. Tokohu Univ. Fifth Ser. Geophys. (Japan) (vol.26, no.1 Oct. 1979—)
Coden: STUEA3
Science Reports of the Tohoku University, Fifth Series, Geophysics Title changed to: Tohoku Geophys. J. Sci. Rep. Tohoku Univ. Fifth Ser. (Japan)

Sci. Rep. Yokohama Natl. Univ. Sect. I (Japan) (1968—)
Coden: SYUMAS ISSN 0085-8366
Science Reports of the Yokohama National University. Section I (Mathematics, Physics and Chemistry) Faculty of Liberal Arts and Education, Yokohama National University, Tokiwadai 156, Hodogaya-ku, Yokohama 240, Japan

Sci. Res. (Bangladesh) (vol.4, no.4 Oct. 1967—)
Coden: SCRSAD
Scientific Researches Title changed to: Bangladesh J. Sci. & Ind. Res.

Sci. Rev. (Yugoslavia) (vol.20, no.2 10 May 1969—)
Coden: SRVUA8
Scienca Revuo Prof. B. Popovic, Ognjena Price 80, Beograd, Yugoslavia

Sci. Sin. (China) (vol.16, no.1 Feb. 1973—)
Coden: SSINAV ISSN 0250-7870
Scientia Sinica Science Press, Peking. Subscription address: Guozi Shudian, P.O. Box 399, Peking, China

Sci. Sintering (Yugoslavia) (vol.6, no.1-2 May 1974—)
Coden: SCSNB4 ISSN 0350-820X
Science of Sintering Formerly: Phys. Sintering (Yugoslavia)
Yugoslav Committee for ETAN, P.O. Box 356 (ETAN), 11001 Beograd, Yugoslavia

Sci. Soc. Thailand J.
See: J. Sci. Soc. Thailand

Sci. Tools (Sweden) (1968—)
Coden: SCTOAB ISSN 0036-8598
Science Tools Issued with: *LKB News Sci. Tools (Sweden)*

Scicon Software & Serv. Rev. (GB) (no.3 1983—)
Coden: SSSRDS ISSN 0265-2935
Scicon Software & Services Review Scicon Ltd., 49 Berners Street, London W1P 4AQ, England

Science (USA) (1968—)
Coden: SCIEAS ISSN 0036-8075
Science American Association for the Advancement of Science, 1515 Massachusetts Avenue N.W., Washington, DC 20005, USA

Scientia (Chile) (1968—)
Coden: SCNTAU ISSN 0036-8679
Scientia Universidad Tecnica Federico Santa Maria, Casilla 110-V, Valparaiso, Chile

Scientometrics (Netherlands) (vol.1, no.1 Sept. 1978—)
Coden: SCNTDX ISSN 0138-9130
Scientometrics Elsevier Scientific Publishing Co., P.O. Box 330, 1000 AH Amsterdam, Netherlands

Scott Rep. (USA) (vol.1, no.1 Oct. 1981—)
Coden: SCREE9 ISSN 0730-1022
The Scott Report Law & Technology Press, 1112 Ocean Drive, Suite 201, Manhattan Beach, CA 90266, USA

†**Scr. Fac. Sci. Nat. Univ. Purkynianae Brunensis Phys. (Czechoslovakia)** (vol.2, no.3 1972—)
Coden: SUPBAA ISSN 0231-6129
Scripta Facultatis Scientiarum Naturalium Universitatis Purkynianae Brunensis, Physica University J.E. Purkyne, 61137 Brno-Kotlarska 2, Czechoslovakia

†**Scr. Metall. (USA)** (1968—)
Coden: SCRMBU ISSN 0036-9748
Scripta Metallurgica Pergamon Press, Maxwell House, Fairview Park, Elmsford, NY 10523, USA

Sdelovaci Tech. (Czechoslovakia) (vol.16, no.10-11 Oct.-Nov. 1968—)
Coden: SDTEAM ISSN 0036-9942
Sdelovaci Technika SNTL, 11302 Praha 1, Spalena ul. 51, Czechoslovakia

Sea Technol. (USA) (vol.14, no.7 July 1973—)
Coden: SEATAD ISSN 0093-3651
Sea Technology Formerly: Undersea Technol. (USA)
Compass Publications Inc., Suite 1000, 1117 North 19th Street, Arlington, VA 22209, USA

Seikei Daigaku Kogakubu Kogaku Hokoku
See: Technol. Rep. Seikei Univ. (Japan)

Seikei Univ. Technol. Rep.
See: Technol. Rep. Seikei Univ. (Japan)

Seimitsu Kikai
See: J. Jpn. Soc. Precis. Eng. (Japan)

Seism. Instrum. (USA) (vol.13 1980—)
Coden: SIEEEK
Seismic Instruments [Translation of: *Seism. Prib. Instrum. Sredstva Seism. Nabl. (USSR)*] Allerton Press Inc., 150 Fifth Avenue, New York, NY 10011, USA

Seism. Prib. Instrum. Sredstva Seism. Nabl. (USSR) (vol.13 1980—)
Coden: SPRID9 ISSN 0131-6230
Seismicheskie Pribory: Instrumental'naye Sredstva Seismicheskikh Nablyudenii Izdatel'stvo 'Nauka', Moskva, USSR [English translation in: *Seism. Instrum. (USA)*]

Seismol. & Geol. (China) (vol.3, no.1 March 1981—)
Coden: DDIZD4
Seismology and Geology Seismological Press. Subscription address: Guozi Shudian, P.O.Box 399, Beijing, People's Republic of China

Seismol. Bull. (Canada) (no.66 Jan.-Dec. 1972—)
Coden: CESSCS
Seismological Bulletin. Seismological Series of the Earth Physics Branch Title changed to: Seismol. Ser. Earth Phys. Branch (Canada)

Seismol. Ser. Earth Phys. Branch (Canada) (no.67 1974—)
Coden: CESSCS ISSN 0084-8387
Seismological Series of the Earth Physics Branch Formerly: Seismol. Bull. (Canada)
Department of Energy, Mines and Resources, Ottawa, Canada

Seismol. Soc. Am. Bull.
See: Bull. Seismol. Soc. Am. (USA)

Sel. Math. Sov. (USA) (vol.1, no.1 1981—)
Coden: SMSODB ISSN 0272-9903
Selecta Mathematica Sovietica Birkhauser Boston Inc., 380 Green Street, Cambridge, MA 02139, USA

Semicond. & Insul. (GB) (vol.2, no.4 1977—)
Coden: SINSD4 ISSN 0309-5991
Semiconductors and Insulators Formerly: J. Nonmet. & Semicond. (GB)
Gordon and Breach Science Publishers Ltd., 41 and 42 William IV Street, London WC2, England

Semicond. Int. (USA) (vol.5, no.5 May 1982—)
Coden: SITLDD ISSN 0163-3767
Semiconductor International Milton S. Kiver Publications Inc., 222 West Adams Street, Chicago, IL 60606, USA

Semicond. Prod. & Solid State Technol. (USA) (1968—)
Coden: SPSTAA
Semiconductor Products and Solid State Technology Title changed to: Solid State Technol. (USA)

Semicond. Prod. (GB) (Autumn 1980—)
Coden: SPRDDS
Semiconductor Production Title changed to: Eur. Semicond. Des. & Prod. (GB)

Semin. Nucl. Med. (USA) (vol.1, no.1 Jan. 1971—)
Coden: SMNMAB ISSN 0001-2998
Seminars in Nuclear Medicine Grune & Stratton Inc., 177 Fifth Avenye, New York, NY 10003, USA

†**Sens. & Actuators (Switzerland)** (vol.1, no.1 March 1981—)
Coden: SEACDX ISSN 0250-6874
Sensors and Actuators Elsevier Sequoia S.A., P.O.Box 851, 1001 Lausanne 1, Switzerland

Sensor Rev. (GB) (vol.1, no.1 Jan. 1981—)
ISSN 0260-2288
Sensor Review IFS (Publications) Ltd., 35-39 High Street, Kempston, Bedford MK42 7BT, England

Serbian Acad. Sci. & Arts, Monogr., Dep. Tech. Sci. (Yugoslavia) (no.19 1980—)
Coden: MSASDB ISSN 0081-4040
Serbian Academy of Sciences and Arts, Monographs, Department of Technical Sciences 11000 Beograd, Kniz Mihailova 35, Yugoslavia

SERT J. (GB) (vol.5, no.1 Jan. 1971—)
Coden: SERJAY
SERT Journal Formerly: Electron. & Radio Tech. (GB) Title changed to: Electron. Technol. (GB)

† indicates a journal abstracted completely

Shanghai Chiao-Tung Univ. J.
See: Shanghai Jiaotong Daxue Xuebao (China)

Shanghai Jiaotong Daxue Xuebao (China) (no.1 Feb. 1981—)
Coden: SCTPDH
Shanghai Jiaotong Daxue Xuebao (Journal of Shanghai Chiao-Tung University) Subscription address: Guozi Shudian, P.O.Box 399, Beijing, People's Republic of China

SHD Storage-Handl.-Distrib. (GB) (vol.24, no.12 March 1981—)
Coden: STHDA3 ISSN 0039-1832
SHD Storage-Handling-Distribution Turret Press Ltd., 886 High Road, Finchley, London N12 9SB, England

Shimadzu Rev. (Japan) (vol.27, no.4 1970—)
Coden: SHHYAG ISSN 0371-005X
Shimadzu Review Shimadzu Corp., Kawaramachi Nijo, Nakagyo-ku, Kyoto, Japan

Shimazu Hyoron
See: Shimadzu Rev. (Japan)

Shinko Denki
See: Shinko Electr. J. (Japan)

Shinko Electr. J. (Japan) (1983—)
Coden: SHDED7 ISSN 0386-4146
Shinko Electric Journal Shinko Electric Co. Ltd., Asahi Building, 3-12-2 Nihonbashi, Chuo-ku, Tokyo 103, Japan

Shinku
See: J. Vac. Soc. Jpn. (Japan)

Shinshu Daigaku Kogakubu Kiyo
See: J. Fac. Eng. Shinshu Univ. (Japan)

Shinshu Univ. Fac. Eng. J.
See: J. Fac. Eng. Shinshu Univ. (Japan)

Shisutemu To Seigyo
See: Syst. & Control (Japan)

Shitsuryo Bunseki
See: Mass Spectrosc. (Japan)

Shizuoka Daigaku Denshi Kogaku Kenkyusho Kenkyu Hokoku
See: Bull. Res. Inst. Electron. Shizuoka Univ. (Japan)

Shizuoka Daigaku Kogakubu Kenkyu Hokoku
See: Rep. Fac. Eng. Shizuoka Univ. (Japan)

Shizuoka Univ. Fac. Eng. Rep.
See: Rep. Fac. Eng. Shizuoka Univ. (Japan)

Shomei Gakkai Zasshi
See: J. Illum. Eng. Inst. Jpn. (Japan)

Short Wave Mag. (GB) (vol.41, no.479 Sept. 1983—)
Coden: SWVMAJ ISSN 0037-4261
Short Wave Magazine Short Wave Magazines Ltd., 34 High Street, Welwyn, Herts. AL6 9EQ, England

Showa Densen Denran Rebyu
See: Showa Wire & Cable Rev. (Japan)

Showa Wire & Cable Rev. (Japan) (vol.24, no.1 1974—)
Coden: SDDRAF ISSN 0387-2181
Showa Wire and Cable Review Showa Electric Wire and Cable Co. Ltd., Tokyo Toranomon Building, No. 10, Shiba-Toranomon, Minato-ku, Tokyo, Japan

SIAM J. Algebraic & Discrete Methods (USA) (vol.2, no.1 March 1981—)
Coden: SJAMDU ISSN 0196-5212
SIAM Journal of Algebraic and Discrete Methods SIAM Publications, 1405 Architects Building, 117 South 17th Street, Philadelphia, PA 19103, USA

SIAM J. Appl. Math. (USA) (vol.18, no.4 June 1970—)
Coden: SMJMAP ISSN 0036-1399
SIAM Journal on Applied Mathematics Society for Industrial and Applied Mathematics, 117 South 17th Street, Philadelphia, PA 19103, USA

†SIAM J. Comput. (USA) (vol.1, no.1 March 1972—)
Coden: SMJCAT ISSN 0097-5397
SIAM Journal on Computing SIAM Publications, 1405 Architects Building, 117 South 17th Street, Philadelphia, PA 19103, USA

†SIAM J. Control & Optimiz. (USA) (vol.14, no.1 Jan. 1976—)
Coden: SJCODC ISSN 0363-0129
SIAM Journal on Control and Optimization Formerly: SIAM J. Control (USA)
SIAM Publications, 117 South 17th Street, Philadelphia, PA 19103, USA

SIAM J. Control (USA) (1968—)
Coden: SJCOA9
SIAM Journal on Control Title changed to: SIAM J. Control & Optimiz. (USA)

SIAM J. Math. Anal. (USA) (vol.3, no.2 May 1972—)
Coden: SJMAAH ISSN 0036-1410
SIAM Journal on Mathematical Analysis SIAM Publications, 117 South 17th Street, Philadelphia, PA 19103, USA

†SIAM J. Numer. Anal. (USA) (vol.5, no.2 July 1968—)
Coden: SJNAAM ISSN 0036-1429
SIAM Journal on Numerical Analysis SIAM Publications, 117 South 17th Street, Philadelphia, PA 19103, USA

SIAM J. Sci. & Stat. Comput. (USA) (vol.2, no.2 June 1981—)
Coden: SIJCD4 ISSN 0196-5204
SIAM Journal on Scientific and Statistical Computing SIAM Publications, 1405 Architects Building, 117 South 17th Street, Philadelphia, PA 19103, USA

SIAM Rev. (USA) (1968—)
Coden: SIREAD ISSN 0036-1445
SIAM Review SIAM Publications, 117 South 17th Street, Philadelphia, PA 19103, USA

SID J. (USA) (vol.10, no.2 March-April 1973—)
Coden: SIDJAQ
SID Journal Formerly: Inf. Disp. (USA) Title changed to: Inf. Disp. (USA)

Siderurgia (Argentina) (vol.1, no.3 Jan.-March 1975—)
Coden: SIDEDE ISSN 0325-0520
Siderurgia Instituto Argentino de Siderurgia, Avda. Eduardo Madero 1020, Capital, Anexo Edificio Conurban 1 y 2, Piso, Argentina

Siemens Components (Engl. Ed.) (Germany) (vol.15, no.1 March 1980—)
Coden: SICOD5 ISSN 0173-1734
Siemens Components (English Edition) Formerly: Components Rep. (Germany)
Siemens Aktiengesellschaft, Hellabrunner Strasse 1, 8000 Munchen 90, Germany

Siemens Electron. Components Bull. (Germany) (vol.6, no.1 Aug. 1971—)
Coden: SELCBI
Siemens Electronic Components Bulletin Title changed to: Components Rep. (Germany)

†Siemens Forsch.- & Entwicklungsber. (Germany) (vol.1, no.1 1971—)
Coden: SFEBBL ISSN 0370-9736
Siemens Forschungs- und Entwicklungsberichte (Research and Development Reports) Formerly: Entwicklungsber. Siemens & Halske (Germany)
Springer-Verlag, D-1 Berlin 33, Heidelberger Platz 3, Germany

Siemens Power Eng. (Germany) (vol.1, no.1 Jan. 1979—)
Coden: SPOEDG ISSN 0170-950X
Siemens Power Engineering Siemens Aktiengesellschaft, Postfach 3240, D-8520 Erlangen 2, Germany

Siemens Rev. (Germany) (1968—)
Coden: SZTEA6 ISSN 0302-2528
Siemens Review Siemens-Aktiengesellschaft, Postfach 3240, 8520 Erlangen 2, Germany

Siemens-Albis Ber. (Switzerland) (vol.24, no.1 Nov. 1972—)
Coden: SABRBJ
Siemens-Albis Berichte Formerly: Albiswerk-Ber. (Switzerland)
Siemens-Albis Aktiengesellschaft, Albisriederstrasse 245, 8047 Zurich, Switzerland

SIGACT News (USA) (vol.6, no.3 July 1974—)
Coden: SIGNDM
SIGACT News Association for Computing Machinery, 11 West 42nd Street, New York, NY 10036, USA

SIGART Newsl. (USA) (no.70 Feb. 1980—)
Coden: SINEDU ISSN 0163-5719
SIGART Newsletter Association for Computing Machinery, 11 West 42nd Street, New York, NY 10036, USA

SIGBIO Newsl. (USA) (vol.4, no.2 Nov. 1979—)
Coden: SINWDG
SIGBIO Newsletter Association for Computing Machinery, 11 West 42nd Street, New York, NY 10036, USA

SIGCAPH Newsl. (USA) (no.26 Spring 1980—)
Coden: SGNWD2 ISSN 0163-5727
SIGCAPH Newsletter Association for Computing Machinery, 11 West 42nd Street, New York, NY 10036, USA

SIGCHI Bull. (USA) (vol.14, no.1 July 1982—)
Coden: SGBUD4 ISSN 0736-6906
SIGCHI Bulletin Formerly: SIGSOC Bull. (USA)
Association for Computing Machinery, 11 West 42nd Street, New York, NY 10036, USA

†SIGCSE Bull. (USA) (vol.12, no.1 Feb. 1980—)
Coden: SIGSD3
SIGCSE Bulletin Association for Computing Machinery, 11 West 42nd Street, New York, NY 10036, USA

SIGCUE Bull. (USA) (vol.11, no.2 April 1977—)
Coden: SIGBDK
SIGCUE Bulletin Association for Computing Machinery, 1133 Avenue of the Americas, New York, NY 10036, USA

SIGDA Newsl. (USA) (vol.10, no.2 Aug. 1980—)
Coden: SIGDDQ
SIGDA Newsletter Association for Computing Machinery, 11 West 42nd Street, New York, NY 10036, USA

SIGIR Forum (USA) (vol.15, no.1 Summer 1980—)
Coden: FASRDV
SIGIR Forum Association for Computing Machinery, 11 West 42nd Street, New York, NY 10036, USA

SIGMAP Bull. (USA) (no.29 April 1980—)
Coden: SIBUDI
SIGMAP Bulletin Association for Computing Machinery, 1133 Avenue of the Americas, New York, NY 10036, USA

SIGMICRO Newsl. (USA) (vol.10, no.3 Sept. 1979—)
Coden: SIGMDJ
SIGMICRO Newsletter Association for Computing Machinery, 11 West 42nd Street, New York, NY 10036, USA

SIGMOD Rec. (USA) (vol.11, no.1 Jan. 1981—)
Coden: SRECD8
SIGMOD Record Association for Computing Machinery, 1133 Avenue of the Americas, New York, NY 10036, USA

Signal & Draht (Germany) (vol.61, no.3 March 1969—)
Coden: SIGDAN ISSN 0037-4997
Signal und Draht Dr. Arthur Tetzlaff-Verlag, 6000 Frankfurt (Main) 1, Niddastrasse 64, Germany

Signal & Schiene (Germany) (vol.13, no.1 Jan. 1969—)
Coden: SIGSAY ISSN 0037-5004
Signal und Schiene 108 Berlin, Franzosische Strasse 13/14, Germany

Signal (USA) (vol.25, no.12 Aug. 1971—)
Coden: SGNAAZ ISSN 0037-4938
Signal Armed Forces Communications and Electronics Association, Skyline Center, 5205 Leesburg Pike, Falls Church, Va 22041, USA

†Signal Process. (Netherlands) (vol.1, no.1 Jan. 1979—)
Coden: SPRODR ISSN 0165-1684
Signal Processing North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

SIGNUM Newsl. (USA) (vol.9, no.1 Jan. 1974—)
Coden: SNEWD6 ISSN 0163-5778
SIGNUM Newsletter Association for Computing Machinery, 11 West 42nd Street, New York, NY 10036, USA

SIGPC Not. (USA) (vol.4, no.1-2 Spring-Summer 1981—)
Coden: SPCNDH
SIGPC Notes Association for Computing Machinery, 11 West 42nd Street, New York, NY 10036, USA

†SIGPLAN Not. (USA) (vol.9, no.7 July 1974—)
Coden: SINODQ ISSN 0362-1340
SIGPLAN Notices Association for Computing Machinery, 11 West 42nd Street, New York, NY 10036, USA

SIGSAM Bull. (USA) (vol.14, no.2 May 1980—)
Coden: SIGSBZ ISSN 0163-5824
SIGSAM Bulletin Association for Computing Machinery, 1133 Avenue of the Americas, New York, NY 10036, USA

SIGSMALL Newsl. (USA) (vol.7, no.1 Feb. 1981—)
Coden: SNSLD9 ISSN 0272-720X
SIGSMALL Newsletter Association for Computing Machinery, 11 West 42nd Street, New York, NY 10036, USA

SIGSOC Bull. (USA) (vol.11, no.3-4 Jan. 1980—)
Coden: SGBLDB
SIGSOC Bulletin Title changed to: SIGCHI Bull. (USA)

SIGSOFT Software Eng. Not. (USA) (vol.5, no.3 July 1980—)
Coden: SFENDP ISSN 0163-5948
SIGSOFT Software Engineering Notes Association for Computing Machinery, 11 West 42nd Street, New York, NY 10036, USA

SIGUCC Newsl. (USA) (vol.10, no.2 Summer 1980—)
ISSN 0163-5832
SIGUCC Newsletter Title changed to: SIGUCCS Newsl. (USA)

SIGUCCS Newsl. (USA) (vol.11, no.4 Winter 1981—)
Coden: SSNRD3 ISSN 0736-6892
SIGUCCS Newsletter Formerly: SIGUCC Newsl. (USA)
Association for Computing Machinery, 11 West 42nd Street, New York, NY 10036, USA

Silikaty (Czechoslovakia) (vol.18, no.1 1974—)
Coden: SIKTAN ISSN 0037-5241
Silikaty Academia, Publishing House of the Czechoslovak Academy of Sciences, Vodickova 40, 112 29 Praha 1, Czechoslovakia

Simon Stevin (Belgium) (1968—)
Coden: SSWNAX ISSN 0037-5454
Simon Stevin De Natuur-en Geneeskundige Vennootschap, Krijgslaan 271, B-9000 Gent, Belgium

Simulation & Games (USA) (vol.1, no.1 March 1970—)
Coden: SMUGAS ISSN 0037-5500
Simulation & Games Sage Publications, 275 South Beverly Drive, Beverly Hills, CA 90212, USA

†**Simulation (USA)** (1968—)
Coden: SIMUA2 ISSN 0037-5497
Simulation Simulation Councils Inc., P.O. Box 2228, La Jolla, CA 92037, USA

Simuletter (USA) (vol.12, no.1-4 1981—)
Coden: SIMUD5 ISSN 0197-5765
Simuletter Association for Computing Machinery, 11 West 42nd Street, New York, NY 10036, USA

SIN Newsl. (Switzerland) (no.12 Dec. 1979--)
Coden: SINLDH ISSN 0254-783X
SIN Newsletter Schweizerisches Institut fur Nuklearforschung, 5234 Villigen, Switzerland

Singapore Natl. Acad. Sci. J.
See: J. Singapore Natl. Acad. Sci.

Sist. & Autom. (Italy) (vol.24, no.181 April 1978—)
Coden: SSAUBD ISSN 0037-5896
Sistemi e Automazione Editrice E.S.T.E., Edizioni Scientifiche Tecniche Europee S.p.A., 20127 Milano, Via S.A. Sauli 3, Italy

Sist. Avtom. Nauchn. Issled. (USSR) (no.4 1980—)
Coden: SIISDD ISSN 0135-132X
Sistemy Avtomatisatsii Nauchnykh Issledovanii Izdatel'stvo 'Zinatne', Riga, USSR

Sitzungsber. Oesterr. Akad. Wiss. Math.-Naturwiss. Kl. Abt. II (Austria) (1968—)
Coden: SOAMAS ISSN 0029-8816
Sitzungsberichte. Osterreichische Akademie der Wissenschaften. Mathematisch-Naturwissenschaftliche Klasse. Abteilung II (Mathematik, Astronomie, Physik, Meteorologie und Technik) Dr. Ignaz-Seipel-Platz 2, A-1010 Wien. Publication address: Springer-Verlag, A-1011-Wien, Molkerbastei 5, Postfach 367, Austria

Skoda Rev. (Czechoslovakia) (no.3 1971—)
Coden: SKORAH ISSN 0374-4523
Skoda Review Ul. 28. rijna 13, Praha 1, Czechoslovakia

Skr. Nor. Vidensk.-Akad. Oslo I (Norway) (1968—)
Coden: SUNVAQ ISSN 0029-2338
Skrifter utgitt av det Norske Videnskaps-Akademi i Oslo. I. Mathematisk-Naturvidenskaplige Klasse Faculty of Mathematics and Science, University of Oslo, Blindern per Oslo, Norway

Sky & Telesc. (USA) (vol.39, no.1 Jan. 1970—)
Coden: SKTEA3 ISSN 0037-6604
Sky and Telescope Sky Publishing Corp., 49-50-51 Bay State Road, Cambridge, MA 02138, USA

†**Slaboproudy Obz. (Czechoslovakia)** (1968—)
Coden: SLOZAE ISSN 0037-668X
Slaboproudy Obzor SNTL, 11302 Praha 1, Spalena ul. 51, Czechoslovakia

Sloan Manage. Rev. (USA) (vol.24, no.4 Summer 1983—)
ISSN 0019-848X
Sloan Management Review Sloan Management Revie Association, Alfred P. Sloan School of Management, Massachusetts Institute of Technology, 50 Memorial Drive, Cambridge, MA 02139, USA

Slovak Acad. Sci. Geophys. Inst. Contrib. Ser. Meteorol.
See: Contrib. Geophys. Inst. Slovak Acad. Sci. Ser. Meteorol. (Czechoslovakia)

Small Bus. Comput. (USA) (vol.6, no.6 Nov.-Dec. 1982—)
Coden: SBCODO ISSN 0733-1703
Small Business Computers Ahl Computing Inc., P.O.Box 789-M, Morristown, NJ 07960, USA

Small Bus. Comput. News (USA) (vol.9, no.9 Sept. 1982—)
Coden: SBCNDL ISSN 0736-6957
Small Business Computer News Management Information Corp., 140 Barclay Center, Cherry Hill, NJ 08034, USA

Small Syst. Software (GB) (vol.1, no.1 1976—)
Coden: SSSODJ
Small Systems Software Title changed to: Mini-Micro Software (GB)

Small Syst. World (USA) (vol.8, no.6 Dec. 1980—)
Coden: SSWOD5 ISSN 0272-5444
Small Systems World Small Systems World Publishing Inc., 53 West Jackson Boulevard, Chicago, IL 60604, USA

SMPTE J. (USA) (vol.85, no.1 Jan. 1976—)
Coden: SMPJDF ISSN 0036-1682
SMPTE Journal Formerly: J. Soc. Motion Pict. & Telev. Eng. (USA)
Society of Motion Picture and Television Engineers, 868 Scarsdale Avenue, Scarsdale, NY 10583, USA

Soc. Adv. Electrochem. Sci. & Technol. Trans.
See: Trans. SAEST (India)

Soc. Environ. Eng. J.
See: J. Soc. Environ. Eng. (GB)

Soc. Ind. & Appl. Math. J. Anal.
See: SIAM J. Math. Anal. (USA)

Soc. Ind. & Appl. Math. J. Appl. Math.
See: SIAM J. Appl. Math. (USA)

Soc. Ind. & Appl. Math. J. Comput.
See: SIAM J. Comput. (USA)

Soc. Ind. & Appl. Math. J. Control & Optimiz.
See: SIAM J. Control & Optimiz. (USA)

Soc. Ind. & Appl. Math. J. Numer. Anal.
See: SIAM J. Numer. Anal. (USA)

Soc. Inf. Disp. Proc.
See: Proc. S.I.D. (USA)

Soc. Instrum. & Control Eng. Trans.
See: Trans. Soc. Instrum. & Control Eng. (Japan)

Soc. Instrum. & Control. Eng. J.
See: J. Soc. Instrum. & Control Eng. (Japan)

Soc. Mater. Sci. Jpn. J.
See: J. Soc. Mater. Sci. Jpn. (Japan)

Soc. Motion Pict. & Telev. Eng. J.
See: SMPTE J. (USA)

Soc. R. Sci. Liege Bull.
See: Bull. Soc. R. Sci. Liege (Belgium)

Soc. Sci. Inf. Stud. (GB) (vol.1, no.3 April 1981—)
Coden: SOSSD3 ISSN 0143-6236
Social Science Information Studies Butterworth Scientific Ltd., Journals Division, P.O.Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England

Sofia Univ. Fac. Phys., Annu.
See: Annu. Univ. Sofia Fac. Phys. (Bulgaria)

SoftSide (USA) (vol.5, no.3 Dec. 1981—)
Coden: SOFSD6 ISSN 0274-8630
SoftSide SoftSide Publications, 6 South Street, Milford, NH 03055, USA

†**Software & Microsyst. (GB)** (vol.1, no.1 Oct. 1981—)
Coden: SMICDR ISSN 0261-3182
Software & Microsystems Institution of Electrical Engineers, P.O.Box 8, Southgate House, Stevenage, Herts. SG1 1HQ, England

Software Rev. (USA) (vol.2, no.2 June 1983—)
Coden: SSORD8 ISSN 0278-2634
Software Review Meckler Publishing, 520 Riverside Avenue, Westport, CT 06880, USA

Software World (GB) (vol.1, no.4 Summer 1970—)
Coden: SOFWBG ISSN 0038-0652
Software World A.P. Publications Ltd., 322 St. John Street, London, EC1V 4QH, England

†**Software-Pract. & Exper. (GB)** (vol.1, no.1 Jan.-March 1971—)
Coden: SPEXBL ISSN 0038-0644
Software - Practice and Experience John Wiley & Sons Ltd., Baffins Lane, Chichester, Sussex PO19 1UD, England

Sol. Age (USA) (vol.5, no.10 Oct. 1980—)
Coden: SOAGDD ISSN 0160-8401
Solar Age SolarVision Inc., Church Hill, Harrisville, NH 03450, USA

†**Sol. Cells (Switzerland)** (vol.1, no.1 Nov. 1979—)
Coden: SOCLD4 ISSN 0379-6787
Solar Cells Elsevier Sequoia S.A., P.O. Box 851, 1001 Lausanne 1, Switzerland

†**Sol. Energy (USA)** (1968—)
Coden: SRENA4 ISSN 0038-092X
Solar Energy Pergamon Press, Maxwell House, Fairview Park, Elmsford, NY 10523, USA

†**Sol. Energy Mater. (Netherlands)** (vol.1, no.1-2 Feb. 1979—)
Coden: SOEMDH ISSN 0165-1633
Solar Energy Materials North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

Sol. Eng. Mag. (USA) (vol.5, no.4 April 1980—)
Coden: SENMDQ ISSN 0194-6226
Solar Engineering Magazine Solar Engineering Publishers Inc., 2636 Walnut Hill Lane, Suite 257, Dallas, TX 75229, USA

†**Sol. Phys. (Netherlands)** (1968—)
Coden: SLPHAX ISSN 0038-0938
Solar Physics D. Reidel Publishing Co., P.O. Box 17, Dordrecht, Netherlands

†**Sol. Syst. Res. (USA)** (vol.6, no.1 Jan.-March 1972—)
Coden: SSYRAL ISSN 0038-0946
Solar System Research [Translation of: *Astron. Vestn. (USSR)*] Consultants Bureau, 233 Spring Street, New York, NY 10013, USA

Sol. Terr. Environ. Res. Jpn. (Japan) (vol.1 1 Dec. 1977—)
Coden: SERJD3 ISSN 0386-5444
Solar Terrestrial Environmental Research in Japan Formerly: Rep. Ionos. & Space Res. Jpn. (Japan)
Institute of Space and Aeronautical Science, University of Tokyo, 4-6-1, Komaba, Meguro-ku, Tokyo 153, Japan

†**Solid State Commun. (USA)** (1968—)
Coden: SSCOA4 ISSN 0038-1098
Solid State Communications Pergamon Press, Maxwell House, Fairview Park, Elmsford, NY 10523, USA. Supplement to J. Phys. Chem. Solids (GB)

Solid State Ionics (Netherlands) (vol.1, no.1-2 April 1980—)
Coden: SSIOD3 ISSN 0167-2738
Solid State Ionics North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

Solid State Phys. (Japan) (vol.4, no.11 Nov. 1969—)
Coden: KOTBA2 ISSN 0454-4544
Solid State Physics Agne Gijutsu Center, Kitamura Bldg., 5-1-25, Minamiayama, Minatoku, Tokyo, Japan

Solid State Technol. (USA) (1968—)
Coden: SSTEAP ISSN 0038-111X
Solid State Technology Formerly: Semicond. Prod. & Solid State Technol. (USA)
Cowan Publishing Co., 14 Vanderventer Avenue, Port Washington, Long Island, NY 11050, USA

†**Solid-State Electron. (GB)** (1968—)
Coden: SSELA5 ISSN 0038-1101
Solid-State Electronics Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW, England

Souder (France) (1968—)
Coden: SOUDAX ISSN 0038-173X
Souder Editions GEAD, 79 Rue du Faubourg Poissonniere, 75009 Paris, France

Sound & Vib. (USA) (vol.5, no.6 June 1971—)
Coden: SOVIAJ ISSN 0038-1810
Sound and Vibration Acoustical Publications Inc., 27101 East Oviatt Road, Bay Village, OH 44140, USA

Sound Can. (Canada) (vol.19, no.12 Dec. 1982—)
Coden: SOCAD5 ISSN 0383-6908
Sound Canada Formerly: Audio Video Can. (Canada)
Chimo Media, 7240 Woodbine Avenue, Markham, Ont. L3R 1A4, Canada

Sov. Aeronaut. (USA) (vol.16, no.1 1973—)
Coden: SOAEA4 ISSN 0038-5255
Soviet Aeronautics [Translation of: *Izv. VUZ Aviats. Tekh. (USSR)*] Allerton Press Inc., 150 Fifth Avenue, New York, NY 10011, USA

Sov. Appl. Mech. (USA) (vol.7, no.1 Jan. 1971—)
Coden: SOAMBT ISSN 0038-5298
Soviet Applied Mechanics [Translation of: *Prikl. Mekh. (USSR)*] Consultants Bureau, 233 Spring Street, New York, NY 10013, USA

†Sov. Astron. (USA) (1968—)
Coden: SAAJAN ISSN 0038-5301
Soviet Astronomy [Translation of: *Astron. Zh. (USSR)*] American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

Sov. Astron. Lett. (USA) (vol.1, no.6 Nov.-Dec. 1975—)
Coden: SALEDW ISSN 0360-0327
Soviet Astronomy Letters [Translation of: *Pis'ma v Astron. Zh. (USSR)*] American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

†Sov. At. Energy (USA) (vol.32, no.1 Jan. 1972—)
Coden: SATEAZ ISSN 0038-531X
Soviet Atomic Energy [Translation of: *At. Energ. (USSR)*] Consultants Bureau, 233 Spring Street, New York, NY 10013, USA

†Sov. Autom. Control (USA) (no.5 Sept.-Oct. 1969—)
Coden: SAUCBZ ISSN 0038-5328
Soviet Automatic Control [Translation of: *Avtomatika (USSR)*] Scripta Publishing Co., 7961 Eastern Avenue, Silver Spring, MD 20910, USA

†Sov. Electr. Eng. (USA) (vol.46, no.1 1975—)
Coden: SOEEAO ISSN 0038-5379
Soviet Electrical Engineering [Translation of: *Elektrotekhnika (USSR)*] Allerton Press Inc., 150 Fifth Avenue, New York, NY 10011, USA

Sov. Electrochem. (USA) (vol.7, no.1 Jan. 1971—)
Coden: SOECAI ISSN 0038-5387
Soviet Electrochemistry [Translation of: *Elektrokhimiya (USSR)*] Consultants Bureau, 233 Spring Street, New York, NY 10013, England

Sov. Eng. Res. (GB) (vol.1, no.1 1981—)
Coden: SORSDW ISSN 0144-6622
Soviet Engineering Research Production Engineering Research Association, Melton Mowbray, Leics, England. Combined selective translation of Vestn. Mash. (USSR) and Stanki & Instrum. (USSR). Formed by merger of Mach. & Tool. (GB) and Russ. Eng. J. (GB)

Sov. Geol. & Geophys. (USA) (vol.19, no.7 1978—)
Coden: SGGEDF ISSN 0361-7149
Soviet Geology and Geophysics [Translation of: *Geol. & Geofiz. (USSR)*] Allerton Press Inc., 150 Fifth Avenue, New York, NY 10011, USA

Sov. J. Glass Phys. & Chem. (USA) (vol.1, no.1 Jan.-Feb. 1975—)
Coden: SJGCDU ISSN 0360-5043
Soviet Journal of Glass Physics and Chemistry [Translation of: *Fiz. & Khim. Stekla (USSR)*] Consultants Bureau, 233 Spring Street, New York, NY 10013, USA

Sov. J. Low Temp. Phys. (USA) (vol.1, no.9 Sept. 1975—)
Coden: SJLPDQ ISSN 0360-0335
Soviet Journal of Low Temperature Physics [Translation of: *Fiz. Nizk. Temp. (USSR)*] American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

Sov. J. Nondestr. Test. (USA) (vol.9, no.1 Jan.-Feb. 1973—)
Coden: SJNTAB ISSN 0038-5492
Soviet Journal of Nondestructive Testing [Translation of: *Defektoskopiya (USSR)*] Consultants Bureau, 233 Spring Street, New York, NY 10013, USA

†Sov. J. Nucl. Phys. (USA) (1968—)
Coden: SJNCAS ISSN 0038-5506
Soviet Journal of Nuclear Physics [Translation of: *Yad. Fiz. (USSR)*] American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

†Sov. J. Opt. Technol. (USA) (1968—)
Coden: SJOTBH ISSN 0038-5514
Soviet Journal of Optical Technology [Translation of: *Opt.-Mekh. Prom.-st. (USSR)*] Published for the Optical Society of America by the American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

†Sov. J. Part. & Nucl. (USA) (vol.3, no.3 Jan.-March 1973—)
Coden: SJPNA3 ISSN 0090-4759
Soviet Journal of Particles and Nuclei [Translation of: *Fiz. Elem. Chastits & At. Yadra (USSR)*] American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

Sov. J. Plasma Phys. (USA) (vol.1, no.4 July-Aug. 1975—)
Coden: SJPPDC ISSN 0360-0343
Soviet Journal of Plasma Physics [Translation of: *Fiz. Plazmy (USSR)*] American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

†Sov. J. Quantum Electron. (USA) (vol.1, no.1 July-Aug. 1971—)
Coden: SJQEAF ISSN 0049-1748
Soviet Journal of Quantum Electronics [Translation of: *Kvantovaya Elektron., Moskva (USSR)*] American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

Sov. Mater. Sci. (USA) (vol.4, no.1 Jan.-Feb. 1968—)
Coden: SOMSA4 ISSN 0038-5565
Soviet Materials Science [Translation of: *Fiz.-Khim. Mekh. Mater. (USSR)*] Consultants Bureau, 233 Spring Street, New York, NY 10013, USA

Sov. Math. (USA) (vol.18, no.1 1974—)
Coden: SOMADL ISSN 0038-5573
Soviet Mathematics [Translation of: *Izv. VUZ Mat. (USSR)*] Allerton Press Inc., 150 Fifth Avenue, New York, NY 10011, USA

Sov. Meteorol. & Hydrol. (USA) (no.1 1976—)
Coden: SMHYDK
Soviet Meteorology and Hydrology [Translation of: *Meteorol. & Gidrol. (USSR)*] Allerton Press Inc., 150 Fifth Avenue, New York, NY 10011, USA

†Sov. Microelectron. (USA) (vol.5, no.3 May-June 1976—)
Coden: SOMIDB ISSN 0363-8529
Soviet Microelectronics [Translation of: *Mikroelektronika (USSR)*] Consultants Bureau, 233 Spring Street, New York, NY 10013, USA

†Sov. Phys. J. (USA) (no.6 Nov.-Dec. 1965—)
Coden: SOPJAQ ISSN 0038-5697
Soviet Physics Journal [Translation of: *Izv. VUZ Fiz. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA

†Sov. Phys.-Acoust. (USA) (1968—)
Coden: SOPAAX ISSN 0038-562X
Soviet Physics-Acoustics [Translation of: *Akust. Zh. (USSR)*] American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

Sov. Phys.-Collect. (USA) (vol.14, no.1 1974—)
Coden: SPCODK ISSN 0363-7891
Soviet Physics-Collection [Translation of: *Litov. Fiz. Sb. (USSR)*] Allerton Press Inc., 150 Fifth Avenue, New York, NY 10011, USA

†Sov. Phys.-Crystallogr. (USA) (1968—)
Coden: SPHCA6 ISSN 0038-5638
Soviet Physics-Crystallography [Translation of: *Kristallografiya (USSR)*] Published by the American Institute of Physics with the cooperation of the American Crystallographic Association. Subscription address; American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

†Sov. Phys.-Dokl. (USA) (1968—)
Coden: SPHDA9 ISSN 0038-5689
Soviet Physics-Doklady [Translation of: *Dokl. Akad. Nauk SSSR*] American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

†Sov. Phys.-JETP (USA) (1968—)
Coden: SPHJAR ISSN 0038-5646
Soviet Physics-JETP [Translation of: *Zh. Eksp. & Teor. Fiz. (USSR)*] American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

Sov. Phys.-Lebedev Inst. Rep. (USA) (no.1 1974—)
Coden: SPLRD6 ISSN 0364-2321
Soviet Physics - Lebedev Institute Reports [Translation of: *Sb. Kratk. Soobshch. Fiz. AN SSSR Fiz. Inst. P.N. Lebedeva*] Allerton Press Inc., 150 Fifth Avenue, New York, NY 10011, USA

†Sov. Phys.-Semicond. (USA) (1968—)
Coden: SPSEAX ISSN 0038-5700
Soviet Physics-Semiconductors [Translation of: *Fiz. & Tekh. Poluprovodn. (USSR)*] American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

†Sov. Phys.-Solid State (USA) (1968—)
Coden: SPSSA7 ISSN 0038-5654
Soviet Physics-Solid State [Translation of: *Fiz. Tverd. Tela (USSR)*] American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

†Sov. Phys.-Tech. Phys. (USA) (1968—)
Coden: SPTPA3 ISSN 0038-5662
Soviet Physics-Technical Physics [Translation of: *Zh. Tekh. Fiz. (USSR)*] American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

Sov. Phys.-Usp. (USA) (1968—)
Coden: SOPUAP ISSN 0038-5670
Soviet Physics-Uspekhi [Translation of: *Usp. Fiz. Nauk (USSR)*] American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

Sov. Powder Metall. & Met. Ceram. (USA) (vol.11, no.1 Jan. 1972—)
Coden: SPMCAV ISSN 0038-5735
Soviet Powder Metallurgy and Metal Ceramics [Translation of: *Poroshk. Metall. (USSR)*] Consultants Bureau, 233 Spring Street, New York, NY 10013, USA

Sov. Power Eng. (USA) (vol.8, no.4 April 1979—)
Coden: SVPEAQ ISSN 0049-1756
Soviet Power Engineering [Translation of: *Elektr. Stantsii (USSR)*] Ralph McElroy Co. Inc., 2102 Rio Grande, Austin, TX 78712, USA

†Sov. Tech. Phys. Lett. (USA) (vol.1, no.9 Sept. 1975—)
Coden: STPLD2 ISSN 0360-120X
Soviet Technical Physics Letters [Translation of: *Pis'ma v Zh. Tekh. Fiz. (USSR)*] American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

Space Commun. & Broadcast. (Netherlands) (vol.1, no.1 April 1983—)
Coden: SCBRDZ ISSN 0167-9368
Space Communication and Broadcasting North-Holland Publishing Co., P.O.Box 211, 1000 AE Amsterdam, Netherlands

Space Life Sci. (Netherlands) (vol.2, no.1 May 1970—)
Coden: SPLSA6
Space Life Sciences Title changed to: Origins of Life (Netherlands)

Space Sci. Rev. (Netherlands) (1968—)
Coden: SPSRA4 ISSN 0038-6308
Space Science Reviews D. Reidel Publishing Co., P.O. Box 17, Dordrecht, Netherlands

Space Sol. Power Rev. (GB) (vol.2, no.1-2 1981—)
Coden: SSPRDD ISSN 0191-9067
Space Solar Power Review Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

SPE J. (USA) (vol.28, no.1 Jan. 1972—)
Coden: SPEJAC
SPE Journal Title changed to: Plast. Eng. (USA)

Spec. Collect. (USA) (vol.1, no.3-4 Spring-Summer 1982—)
ISSN 0270-3157
Special Collections Haworth Press Inc., 28 East 22 Street, New York, NY 10010, USA

Spec. Libr. (USA) (vol.62, no.7-8 July-Aug. 1971—)
Coden: SPLBAN ISSN 0038-6723
Special Libraries Special Libraries Association, 235 Park Avenue South, New York, NY 10003, USA

Spectrochim. Acta Part A (GB) (1968—)
Coden: SAMCAS ISSN 0584-8539
Spectrochimica Acta. Part A, Molecular Spectroscopy Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW, England

Spectrochim. Acta Part B (GB) (1968—)
Coden: SAASBH ISSN 0584-8547
Spectrochimica Acta. Part B, Atomic Spectroscopy Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW, England

Spectrosc. Lett. (USA) (vol.2, no.9 Sept. 1969—)
Coden: SPLEBX ISSN 0038-7010
Spectroscopy Letters Marcel Dekker Inc., 270 Madison Avenue, New York, NY 10016, USA

Spectrosc. Soc. Jpn. J.
See: J. Spectrosc. Soc. Jpn. (Japan)

Speculations Sci. & Technol. (Switzerland) (vol.2, no.1 April 1979—)
Coden: SPSTDD ISSN 0155-7785
Speculations in Science and Technology Elsevier Sequoia, S.A., P.O. Box 851, 1001 Lausanne 1, Switzerland

Speech Commun. (Netherlands) (vol.1, no.1 May 1982—)
Coden: SCOMDH ISSN 0167-6393
Speech Communication North-Holland Publishing Co., P.O.Box 211, 1000 AE Amsterdam, Netherlands

†**Speech Technol. (USA)** (vol.1, no.1 Fall 1981—)
Coden: SPETDB ISSN 0744-1355
Speech Technology Media Dimensions Inc., 525 East 82nd Street, New York, NY 10028, USA

Sprache & Datenverarb. (Germany) (no.2 1977—)
Coden: SPDADH ISSN 0343-5202
Sprache und Datenverarbeitung Max Niemeyer Verlag, D-7400 Tubingen, Postfach 2140, Germany

SRBE-KBVE (Belgium) (vol.97, no.1 1981—)
Coden: BREEDV ISSN 0770-0024
SRBE-KBVE (Societe Royale Belge des Electriciens-Koninklijke Belgische Vereniging der Electrotechnici) Place du Trone 1, B-1000 Bruxelles, Belgium. Formed by merger of Bull. Soc. R. Belge Electr. (Belgium) and Rev. E (Belgium)

Stanki & Instrum. (USSR) (vol.40, no.4 1969—)
Coden: STINA4
Stanki i Instrument Mashinostroenie, ul. 25 Oktyabrya, d. 10, Moskva, K-12, USSR. Translation of selected articles appear in Sov. Eng. Res. (GB)

Statistician (GB) (vol.22, no.1 March 1973—)
Coden: STTNAP ISSN 0039-0526
Statistician (Journal of the Institute of Statisticians) Longman Group Ltd., 6th Floor, Westgate House, The High, Harlow, Essex CM20 1NE, England

Steam & Heat. Eng. (GB) (vol.11, no.447 Feb. 1969—)
Coden: STHEA6
Steam and Heating Engineer Title changed to: Heat. & Air Cond. J. (GB)

Steklo & Keram. (USSR) (vol.26, no.9 Sept. 1969—)
Coden: STKRAQ ISSN 0131-9582
Steklo i Keramika Kusnetskii Most, d. 20, Moskva, K-31, USSR [English translation in: *Glass & Ceram. (USA)*]

Steuerungstechnik (Germany) (vol.3, no.9 Sept. 1970—)
Coden: STEUA5
Steuerungstechnik Title changed to: Und-oder-Nor & Steuerungstech. (Germany)

Stochastic Processes & Appl. (Netherlands) (vol.1, no.1 Jan. 1973—)
Coden: STOPB7 ISSN 0304-4149
Stochastic Processes & their Applications North-Holland Publishing Co., Journal Division, P.O. Box 211, 1000 AE Amsterdam, Netherlands

Stochastics (GB) (vol.1, no.1 1973—)
Coden: STOCB2 ISSN 0090-9491
Stochastics Gordon & Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England

Storage-Handl.-Distrib.
See: SHD Storage-Handl.-Distrib. (GB)

Strain (GB) (1968—)
Coden: STRABB ISSN 0039-2103
Strain British Society for Strain Measurement, 281 Heaton Road, Newcastle upo Tyne, NE6 5QB, England

Strassenverkehrstechnik (Germany) (vol.18, no.3 May-June 1974—)
Coden: SVKTAC ISSN 0039-2219
Strassenverkehrstechnik Kirschbaum Verlag, 53 Bonn - Bad Godesberg 10, Rudigerstrasse 34, Germany

Strength Mater. (USA) (vol.4, no.1 Jan. 1972—)
Coden: SMTLB5 ISSN 0039-2316
Strength of Materials [Translation of: *Probl. Prochn. (USSR)*] Consultants Bureau, 233 Spring Street, New York, NY 10013, USA

Strolling Astron.
See: J. Assoc. Lunar & Planet. Obs. Strolling Astron. (USA)

Strompraxis (Germany) (no.1 1974—)
Coden: STPXB2 ISSN 0340-7519
Strompraxis Formerly: Elektrizitaet (Germany)
Verlags- und Wirtschaftsgesellschaft der Elektrizitatswerke mbH-VWEW, 6000 Frankfurt (Main) 70, Stresemannallee 23, Germany

Stud. & Cercet. Calc. Econ. & Cibern. Econ. (Rumania) (no.1 1975—)
Coden: SCCEDZ ISSN 0585-7511
Studii si Cercetari de Calcul Economic si Cibernetica Economica Catedra de Cibernetica Economica, Academia de Studii Economice, Bucuresti, Rumania

Stud. & Cercet. Doc. (Rumania) (vol.13, no.1 1971—)
Coden: SDBIAC ISSN 0039-3916
Studii si Cercetari de Documentare Centrul de Informare si Documentare al Invatamintului, Str. Gutenberg Nr. 6 bis, Sector 6, Bucuresti, Rumania

Stud. & Cercet. Fiz. (Rumania) (1968—)
Coden: SCEFAB ISSN 0039-3940
Studii si Cercetari de Fizica Academia Republicii Populare Romine. P.O. Box 134-5, Calca Victoriei 126, Bucuresti, Rumania

Stud. & Cercet. Geol. Geofiz. Geogr. Ser. Geofiz. (Rumania) (vol.2, no.2 1973—)
Coden: SCGGBP ISSN 0378-6021
Studii si Cercetari de Geologie, Geofizica, Geografie. Seria Geofizica Subscription address: Rompresfilatelia, Boite Postale 2001, Bucuresti, Rumania

Stud. Appl. Math. (USA) (vol.48, no.1 March 1969—)
Coden: SAPMB6 ISSN 0022-2526
Studies in Applied Mathematics American Elsevier Publishing Co., 52 Vanderbilt Avenue, New York, NY 10017, USA

Stud. Hist. & Philos. Sci. (GB) (vol.9, no.1 March 1978—)
Coden: SHPSB5 ISSN 0039-3681
Studies in History and Philosophy of Science Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Stud. J. Inst. Electron. & Telecommun. Eng. (India) (vol.17, no.1 Jan. 1976—)
Coden: SJIEDC ISSN 0375-9032
Students' Journal of the Institution of Electronics & Telecommunication Engineers Plot no. 2, Insitutional Area, Lodi Road, New Delhi 110 003, India

Sulzer Tech. Rev. (Switzerland) (vol.51, no.2 1969—)
Coden: SZTRAB ISSN 0039-4912
Sulzer Technical Review Sulzer Brothers Ltd., Winterthur, Switzerland

Sumitomo Electr. Tech. Rev. (Japan) (Jan. 1980—)
Coden: SETRAY ISSN 0376-1207
Sumitomo Electric Technical Review Sumitomo Electric Industries Ltd., 15 Kitahama 5-chome, Higashi-ku, Osaka 541, Japan

Sumitomo Search (Japan) (no.10 Nov. 1973—)
Coden: SUSEAY ISSN 0585-9131
Sumitomo Search Sumitomo Metal Industries Ltd., 15 Kitahama 5-chome, Higasgh-ku, Osaka 541, Japan

Sun Work Br. (GB) (no.10 1980—)
Coden: SWBRD5 ISSN 0305-0254
Sun at Work in Britain Published for the UK Section of the International Solar Energy Society by Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Surf. & Interface Anal. (GB) (vol.1, no.1 Feb. 1979—)
Coden: SIANDQ ISSN 0142-2421
Surface and Interface Analysis Wiley Heyden Ltd., Baffins Lane, Chichester, West Sussex PO19 1UD, England

Surf. Sci. (Netherlands) (1968—)
Coden: SUSCAS ISSN 0039-6028
Surface Science North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

Surf. Sci. Rep. (Netherlands) (vol.1, no.1 June 1981—)
Coden: SSREDI ISSN 0167-5729
Surface Science Reports North-Holland Publishing Co., P.O.Box 211, 1000 AE Amsterdam, Netherlands

Surf. Technol. (Switzerland) (vol.4, no.1 Jan. 1976—)
Coden: SUTED8 ISSN 0376-4583
Surface Technology Formerly: Electrodeposition & Surf. Treat. (Switzerland)
Elsevier Sequoia S.A., P.O. Box 851, CH-1001 Lausanne 1, Switzerland

Surv. Bus. Univ. Tennessee (USA) (vol.19, no.1 Summer 1983—)
Coden: SUBUDY ISSN 0099-0973
Survey of Business, University of Tennessee College of Business Administration, Center for Business and Economic Research, University of Tennessee, Knoxville, TN 37916, USA

Surv. High Energy Phys. (Switzerland) (vol.1, no.1 1980—)
Coden: SHEPDB ISSN 0142-2413
Surveys in High Energy Physics Harwood Academic Publishers GmbH, Poststrasse 22, CH-7000 Chur, Switzerland. Harwood Academic Publishers GmbH, P.O.Box 786, Cooper Station, New York, NY 10003, USA

Svar. Proizvod. (USSR) (vol.15, no.2 Feb. 1968—)
Coden: SVAPAI ISSN 0491-6441
Svarochnoe Proizvodstvo Mashinostroenie, Moskva, I-110 GSP, Nrosnekt Mura, d. 106, USSR [English translation in: *Weld. Prod. (GB)*]

Sven. Kraftverksfoeren. Publ. (Sweden) (1968—)
Coden: SKFOAV ISSN 0039-6931
Svenska Kraftverksforeningens Publikationer Formerly: Sven. Vattenkraftfoeren. Publ. (Sweden)
Birger Jarlsgatan 41a, 111 45 Stockholm, Sweden

Sven. Kraftverksfoeren. Publ. Medd. (Sweden) (1968—)
Coden: SKFMBQ ISSN 0374-4485
Svenska Kraftverksforeningens Publikationer Meddelande Formerly: Sven. Vattenkraftfoeren. Publ. Medd. (Sweden)
Birger Jarlsgatan 41b, 111 45 Stockholm, Sweden

Sven. Vattenkraftfoeren. Publ. (Sweden) (1968—)
Coden: SVKPAY
Svenska Vattenkraftforeningens Publikationer Title changed to: Sven. Kraftverksfoeren. Publ. (Sweden)

Sven. Vattenkraftfoeren. Publ. Medd. (Sweden) (1968—)
Coden: SVPDAN
Svenska Vattenkraftforeningens Publikationer Meddelande Title changed to: Sven. Kraftverksfoeren. Publ. Medd. (Sweden)

Svetotekhnika (USSR) (1968—)
Coden: SVETAG ISSN 0039-7067
Svetotekhnika Agent: Mezhdunarodnaya Kniga, Moskva, USSR

Svetsaren (Sweden) (vol.6, no.1-2 1970—)
Coden: SVSEB8 ISSN 0341-4248
Svetsaren (English Edition) ESAB, Box 8850, S-402 71 Goteborg 8, Sweden

Synth. Met. (Switzerland) (vol.1, no.1 Oct. 1979—)
Coden: SYMEDZ ISSN 0379-6779
Synthetic Metals Elsevier Sequoia S.A., P.O. Box 851, 1001 Lausanne 1, Switzerland

Sysdata (Switzerland) (vol.12, no.11 28 Sept. 1981—)
Coden: SYSDDS ISSN 0254-2226
Sysdata Verlag Binkert AG, 4335 Laufenburg, Postfach 32, Switzerland

Syst. & Control (Japan) (vol.15, no.1 Jan. 1971—)
Coden: SYCNA9 ISSN 0374-4507
Systems and Control Formerly: J. Jap. Assoc. Autom. Control Eng. (Japan)
Japan Association of Automatic Control Engineers, 14 Kawahara-cho, Yoshida, Sakyo-Ku-Kyoho 606, Japan

†**Syst. & Control Lett. (Netherlands)** (vol.1, no.3 Nov. 1981—)
Coden: SCLEDC ISSN 0167-6911
Systems & Control Letters North-Holland Publishing Co., P.O.Box 103, 1000 AC Amsterdam, Netherlands

Syst. Inf. Manage. (S. Africa) (vol.10, no.11 Nov. 1980—)
Coden: SIMADD
Systems for Information Management Formerly: Systems (S. Africa) Title changed to: Systems (S. Africa)

Syst. Int. (GB) (vol.2, no.1 Jan. 1974—)
Coden: SYIND8 ISSN 0309-1171
Systems International IPC Electrical Electronic Press Ltd., Quadrant House, The Quadrant, Sutton, Surrey SM2 5AS, England

Syst. Logiques (Switzerland) (no.1 Nov. 1969—)
Coden: SYLGAX ISSN 0374-4493
Systemes Logiques Chaire de Systemes Logiques, Ecole Polytechnique Federale, 16 Chemin de Bellerive, ch-1007 Lausanne, Switzerland

Syst. Sci. (Poland) (vol.1, no.1 1975—)
Coden: SYSCDP ISSN 0137-1223
Systems Science Editorial address: Institute of Technical Cybernetics, Wroclaw Technical University, ul. Janiszewskiego 11/17, 50-372 Wroclaw, Poland

Syst. Tech. Rep. (Japan) (1983—)
Systems Technical Report Japan Univac Users Association, 2-17-51 Akasaka, Minato-ku, Tokyo 107, Japan

Syst. Technol. (GB) (no.5 Aug. 1968—)
Coden: SYTEAX ISSN 0039-8047
Systems Technology Plessey Co. Ltd., Ilford, Essex, England

Syst., Objectives, Solutions (Netherlands) (vol.1, no.1 Jan. 1981—)
Coden: SOBSDK ISSN 0165-7747
Systems, Objectives, Solutions North-Holland Publishing Co., P.O.Box 211, 1000 AE Amsterdam, Netherlands

Syst.-Comput.-Controls (USA) (vol.1, no.1 1970—)
Coden: SYCCBB ISSN 0096-8765
System-Computers-Controls Scripta Publishing Corp., 1511 K Street, N.W., Washington, DC 20005, USA. English translation of selected articles from Trans. Inst. Electron. & Commun. Eng. A, B, C, D (Japan) and other primary Japanese periodicals

Systems (S. Africa) (vol.2, no.1 Jan.-Feb. 1972—)
Coden: SYSMBJ ISSN 0049-2795
Systems (Stelsels) Title changed to: Syst. Inf. Manage. (S. Africa)

Systems (S. Africa) (vol.11, no.8 Aug. 1981—)
Coden: SSTSD2 ISSN 0374-4531
Systems Formerly: Syst. Inf. Manage. (S. Africa)
Systems Publishers (Pty.) Ltd., Systems House (Northwards), 368 Jan Smuts Avenue, Craighall Park, Johannesburg, South Africa

Szamvitel & Uegyviteltech. (Hungary) (vol.21, no.10 Oct. 1979—)
Coden: SZUGDK ISSN 0039-808X
Szamvitel es Ugyviteltechnika Lapkiado Vallalat, 1073 Budapest, Lenin korut 9-11, Hungary

Szigma (Hungary) (vol.9, no.1-2 1976—)
Coden: SMKED9 ISSN 0039-8128
Szigma Akademiai Kiado, 1363 Budapest V, Alkotmany u. 21, Hungary

Szklo & Ceram. (Poland) (vol.19, no.12 1968—)
Coden: SZKCAN ISSN 0039-8144
Szklo i Ceramika Warszawa 1, Mokotowska 4/6, pok 40, Poland

T.-I.-T. J. Life Sci. (USA) (vol.1, no.1 March 1971—)
Coden: TJLSA9 ISSN 0039-8160
T.-I.-T. Journal of Life Sciences T.-I.-T. Institute, P.O. Box 4563, Philadelphia, PA 19131, USA

T.H.E. J. (USA) (vol.9, no.1 Jan. 1982—)
Coden: THEJD4 ISSN 0192-592X
T.H.E. Journal (Technological Horizons in Education) Information Synergy Inc., 7 Spruce Street, Acton, MA 01720, USA

Takenaka Gijutsu Kenkyu Hokoku
See: Takenaka Tech. Res. Rep. (Japan)

Takenaka Tech. Res. Rep. (Japan) (no.6 30 June 1971—)
Coden: TGKHAI ISSN 0374-4663
Takenaka Technical Research Report Takenaka Komuten Co. Ltd., 27 4-chome, Hommachi, Higashi-ku, Osaka, Japan

Talanta (GB) (vol.16, no.10 Oct. 1969—)
Coden: TLNTA2 ISSN 0039-9140
Talanta Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW, England

Tanulmanyok Magy. Tud. Akad. Szamitastech. & Autom. Kut. Intez. (Hungary) (no.113 1980—)
Coden: TMTID9 ISSN 0324-2951
Tanulmanyok Magyar Tudomanyos Akademia Szamitastechnikai es Automatizalasi Kutato Intezet MTA Szamitastechnikai es Automatizulasi Kutato Intezet/ Computer and Automation Institute, Hungarian Academy of Sciences, 1502 Budapest, Kende u. 13-17, Pf. 63, Hungary

TE Int. (Italy) (vol.1, no.5 Nov.-Dec. 1977—)
Coden: TEITDX ISSN 0392-3460
TE International Issued with: *Tecnol. Elettr. (Italy)*

Tec. Ital. (Italy) (1968—)
Coden: TITLAL ISSN 0040-1846
Tecnica Italiana Via Matteotti 55, 34071 Cormons (Gorizia), Italy

Tec. Regul. & Mando Autom. (Spain) (vol.1, no.1 May-June 1968—)
Coden: TRAUBH
Tecnica de la Regulacion y Mando Automatico Title changed to: Regul. & Mando Autom. (Spain)

Tech. & Sci. Inf. (France) (vol.1, no.1 1982—)
Coden: TTSIDJ ISSN 0752-4072
Technique et Science Informatiques AFCET, Division TTI, 156 Boulevard Pereire, 75017 Paris, France [English translation in: *Technol. & Sci. Inf. (GB)*]

Tech. CEM (France) (no.71 Dec. 1968—)
Coden: TQCEB6 ISSN 0040-1293
Techniques CEM Cie Electro-Mecanique, 37 rue du Rocher, Paris 8, France

Tech. Chron. (Greece) (1968—)
Coden: TECHAW ISSN 0040-4764
Technika Chronika Technical Chamber of Greece, Kolokotron Street, Athens, Greece

Tech. Dig. (USA) (no.20 Oct. 1970—)
Coden: TCHDAV ISSN 0497-0411
Technical Digest Western Electric Co., 555 Union Boulevard, Allentown, PA 18103, USA. Western Electric Co., Patent Organisation, Department 400, 555 Union Boulevard, Allentown, PA 18103

Tech. J. Jap. Broadcast. Corp. (Japan) (1968—)
Coden: NHKGAO
Technical Journal of Japan Broadcasting Corporation Title changed to: NHK Tech. J. (Japan)

Tech. Knih. (Czechoslovakia) (vol.16, no.1 1972—)
Coden: TEKNAM ISSN 0049-3171
Technicka Knihovna Editorial address: 113 57 Praha 1, Konviktska 5, Czechoslovakia

Tech. Mess. - ATM (Germany) (vol.43, no.4 April 1976—)
Coden: TMAMDS
Technisches Messen - ATM Formerly: Arch. Tech. Mess. & Messtech. Prax. (Germany) Title changed to: Tech. Mess. tm (Germany)

Tech. Mess. tm (Germany) (vol.46, no.1 Jan. 1979—)
Coden: TMAMDS ISSN 0171-8096
Technisches Messen tm Formerly: Tech. Mess. - ATM (Germany)
R. Oldenbourg Verlag GmbH, Rosenheimer Strasse 145, 8000 Munchen 80, Germany

Tech. Mitt. AEG-Telefunken (Germany) (1968—)
Coden: TMATBD ISSN 0040-1447
Technische Mitteilungen AEG-Telefunken Formerly: AEG Mitt. (Germany)
Allgemeine Elektricitats Gesellschaft, Theodor-Stern-Kai 1, D-600 Frankfurt 70, Germany

Tech. Mitt. Krupp Forschungsber. (Germany) (1968—)
Coden: TMKFAK ISSN 0494-9382
Technische Mitteilungen Krupp Forschungsberichte Fachbucherei Krupp, Postfach 917, 43 Essen 1, Germany

Tech. Mitt. Krupp Werksber. (Germany) (vol.28, no.4 Dec. 1970—)
Coden: TMKWA3 ISSN 0494-9390
Technische Mitteilungen Krupp. Werksberichte Friedr. Krupp GmbH, 43 Essen, Postfach 917, Germany

†Tech. Mitt. PTT (Switzerland) (1968—)
Coden: TMPTAJ ISSN 0040-1471
Technische Mitteilungen PTT (Bulletin Technique PTT, Bollettino Tecnico PTT) Generaldirektion PTT, Viktoriastrasse 21, 3000 Bern 33, Switzerland

†Tech. Mitt. RFZ (Germany) (1968—)
Coden: TMRFAL ISSN 0040-1455
Technische Mitteilungen des Rundfunk-und Fernsehtechnischen Zentralamtes Agastrasse, Berlin-Aldershof, Germany

Tech. Mod. (France) (1968—)
Coden: TEMDA2 ISSN 0040-1250
La Technique Moderne 7 Rue Cesar-Franck, 75015 Paris, France

Tech. Rep. Eng. Res. Inst. Kyoto Univ. (Japan) (1968—)
Coden: TREKA6
Technical Reports of the Engineering Research Institute of Kyoto University Title changed to: Tech. Rep. Inst. At. Energy Kyoto Univ. (Japan)

Tech. Rep. Inst. At. Energy Kyoto Univ. (Japan) (no.153 1971—)
Coden: TRAEB3 ISSN 0372-1043
Technical Reports of the Institute of Atomic Energy, Kyoto University Formerly: Tech. Rep. Eng. Res. Inst. Kyoto Univ. (Japan)
Kyoto, Japan

Tech. Rep. Kumamoto Univ. (Japan) (vol.32, no.1 March 1983—)
Coden: KUDKAP ISSN 0023-5296
Technical Reports of the Kumamoto University Faculty of Engineering, Kumamoto University, Kumamoto, Japan

Tech. Res. Cent. Finland Electr. & Nucl. Technol. Publ. (no.1 1973—)
Coden: ENCTAY ISSN 0355-3396
Technical Research Centre of Finland Electrical and Nuclear Technology Publication 00180 Helsinki 18, Lonnrotinkatu 37, Finland

Tech. Res. Cent. Finland Mater. & Process Technol. Publ. (no.1 1972—)
Coden: TFMPBC ISSN 0355-3388
Technical Research Centre of Finland Materials and Process Technology Publication 00180 Helsinki 18, Lonnrotinkatu 37, Finland

Tech. Rundsch. (Switzerland) (vol.66, no.4 29 Jan. 1974—)
Coden: TCRUAU ISSN 0040-148X
Technische Rundschau Hallwag Verlag, Nordring 4, 3001 Bern, Switzerland

Technica (Switzerland) (1968—)
Coden: TCHNAR ISSN 0184-4067
Technica E. Birkhauser, CH-4010 Basel 10, Switzerland

Technion (Israel) (vol.5, no.1 Feb. 1969—)
Coden: TCNNAN ISSN 0040-1188
Technion Israel Institute of Technology, Technion City, Haifa, Israel

†Technol. & Sci. Inf. (GB) (vol.2, no.2 1983—)
ISSN 0264-7419
Technology and Science of Informatics [Translation of: *Tech. & Sci. Inf. (France)*] North Oxford Academic Publishing Co. Ltd., 242 Banbury Road, Oxford OX2 7DR, England

Technol. Forecast. & Soc. Change (USA) (vol.2, no.2 1970—)
Coden: TFSCB3 ISSN 0040-1625
Technological Forecasting and Social Change Formerly: Technol. Forecast. (USA)
Elsevier North Holland Inc., 52 Vanderbilt Avenue, New York, NY 10017, USA

Technol. Forecast. (USA) (vol.1, no.1 June 1969—)
Coden: TFORBS
Technological Forecasting Title changed to: Technol. Forecast. & Soc. Change (USA)

Technol. Horiz. Educ. J.
See: T.H.E. J. (USA)

Technol. News (GB) (Spring 1981—)
Coden: TCNEDX
Technological News Normalair-Garrett Ltd., Yeovil, Somerset BA20 2YD, England

Technol. Rep. Iwate Univ. (Japan) (vol.4 1969—)
Coden: TIWUAT ISSN 0085-2325
Technology Reports of the Iwate University Faculty of Engineering, Iwate University, Morioka, Japan

Technol. Rep. Kansai Univ. (Japan) (no.10 Feb. 1969—)
Coden: TRKUAW ISSN 0453-2198
Technology Reports of Kansai University Faculty of Engineering, Kansai University, Senriyama, Suita-City, Osaka, Japan

Technol. Rep. Kyushu Univ. (Japan) (vol.44, no.4 Aug. 1971—)
Coden: KDKSAX ISSN 0023-2718
Technology Reports of the Kyushu University Faculty of Engineering, Fukuoka, Japan

Technol. Rep. Osaka Univ. (Japan) (1968—)
Coden: TROUAI ISSN 0030-6177
Technology Reports of the Osaka University Faculty of Engineering, Osaka University, Yamada-Kami, Suita, Osaka 565, Japan

Technol. Rep. Seikei Univ. (Japan) (no.5 1967—)
Coden: SKKGAW ISSN 0582-4184
Technology Reports of the Seikei University College of Technology, Seikei University, Musashino-Shi, Tokyo, Japan, Japan

Technol. Rep. Tohoku Univ. (Japan) (1968—)
Coden: TRTUA9 ISSN 0040-8816
Technology Reports of the Tohoku University Sendai, Japan

Technol. Rep. Yamaguchi Univ. (Japan) (1983—)
Coden: TRYUAY ISSN 0386-3433
Technology Reports of the Yamaguchi University Faculty of Engineering, Yamaguchi University, 2557 Tokiwadai, Ube-shi, Yamaguchi 755, Japan

Technology (GB) (vol.6, no.35 27 Sept. 1982—)
Coden: TNLYDO
Technology Engineering Today Ltd., 55-57 Great Marlborough Street, London W1V 1DD, England

† indicates a journal abstracted completely

Tecnica (Portugal) (1968—)
Coden: TECLAA ISSN 0040-1714
Tecnica Associacao dos Estudantes do Instituto Superior Tecnico, Av. Rovisco Pais, Lisboa-1, Portugal

Tecnol. Elettr. (Italy) (vol.2, no.2 Feb. 1975—)
Coden: TEELDN ISSN 0390-6698
Tecnologie Elettriche Formerly: Ind. Ital. Elettrotec. & Elettron. (Italy)
Interspazio Pubblicita S.r.l., Centro Commerciale Milano, San Felice, 20090 Segrate (Milano), Italy

Tectonics (USA) (vol.1, no.1 Feb. 1982—)
Coden: TCTNDM ISSN 0278-7407
Tectonics American Geophysical Union, 2000 Florida Avenue, N.W., Washington, DC 20009, USA

Tectonophysics (Netherlands) (vol.12, no.1 July 1971—)
Coden: TCTOAM ISSN 0040-1951
Tectonophysics Elsevier Scientific Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

Tegnikon (S. Africa) (vol.18, no.1 March 1969—)
Coden: TEGNA2 ISSN 0040-215X
Tegnikon Die Suid-Afrikaanse Akademie wir Wetenskap en Kuns, Engelenburghuis, Hamiltonstraat, Postbus 538, Pretoria, South Africa

Teh. Fiz. (Yugoslavia) (vol.14 1976—)
Coden: TEFIDJ ISSN 0350-0594
Tehnicka Fizika (Journal of Engineering Physics) Universitet u Beograd, Zavod za Fiziku Tehnickih Fakulteta, Rizveltova 1a, 11000 Beograd, Yugoslavia

Tehnika (Yugoslavia) (vol.22, no.12 1967—)
Coden: TEHBA5 ISSN 0040-2176
Tehnika Beograd, Kneza Milosa 7/11,, Yugoslavia

Teion Kagaku, Butsuri-hen
See: Low Temp. Sci. Ser. A (Japan)

Tek. Ukebl. (Norway) (1968—)
Coden: TUGEAJ ISSN 0040-2354
Teknisk Ukeblad Ingeniorforlaget A/S, Ingeniorenes Hus, Kronprinsens Gt, 17, Boks 2476, Solli, Oslo 2, Norway

†Tekh. Elektrodin. (USSR) (no.1 Jan.-Feb. 1980—)
Coden: TEKEDW ISSN 0204-3599
Tekhnicheskaya Elektrodinamika Formerly: Probl. Tekh. Elektrodin. (USSR)
Izdatel'stvo 'Nauka Dumka', 252601 Kiev GSP, Ul. Repina 3, USSR

Tekh. Kibern. (USSR) (1968—)
Coden: TEKIB8
Tekhnicheskaya Kibernetika Akademiya Nauk SSSR, Leninskii Prosp. 14, Moskva, USSR [English translation in: *Eng. Cybern. (USA)*]

Tekh. Kino & Telev. (USSR) (no.12 Dec. 1968—)
Coden: TKTEAE ISSN 0040-2249
Tekhnika Kino i Televideniya Leningradskii Prospekt 47, Moskva A-167, USSR

Tekh. Misul (Bulgaria) (vol.6, no.4 1969—)
Coden: TKMSBM ISSN 0040-2168
Tekhnicheska Misul Bulgarska Akademija na Naukite, Kv. Geo Milev, Ul. 36, BAN, IV Blok, Sofiya, Bulgaria

Tekscope (USA) (vol.6, no.3 May-June 1974—)
Coden: TEKSC5
Tekscope Tektronix Inc., P.O. Box 500, Beaverton, OR 97005, USA

Telcom Rep. (Germany) (vol.1, spec. issue April 1978—)
Coden: TELRD8 ISSN 0344-4880
Telcom Report Siemens Aktiengesellschaft, Hellabrunner Strasse 1, Postfach 103, D-8000 Munchen 90, Germany

Tele (Swed. Ed.) (Sweden) (vol.77, no.1 1971—)
Coden: TELEBZ ISSN 0040-2427
Tele (Swedish Edition) Marbackagatan 11, 123 86 Farsta, Sweden

†Telecommun. & Radio Eng. Part 1 (USA) (1968—)
Coden: TCREAG ISSN 0040-2508
Telecommunications and Radio Engineering Part 1: Telecommunications [Translation of: *Elektrosvyaz (USSR)*] Scripta Publishing Co., 7961 Eastern Avenue, Silver Spring, MD 20910, USA

†Telecommun. & Radio Eng. Part 2 (USA) (1968—)
Coden: TCREAG ISSN 0040-2508
Telecommunications and Radio Engineering, Part 2: Radio Engineering [Translation of: *Radiotekhnika, Moskva (USSR)*] Scripta Publishing Co., 7961 Eastern Avenue, Silver Spring, MD 20910, USA

Telecommun. J. (Engl. Ed.) (Switzerland) (1968—)
Coden: TCJOA6 ISSN 0497-137X
Telecommunication Journal (English Edition) International Telecommunications Union, Place des Nations, 1211 Geneve 20, Switzerland

Telecommun. J. Aust. (Australia) (vol.19, no.1 Feb. 1969—)
Coden: TCJAAW ISSN 0040-2486
Telecommunication Journal of Australia Telecommunication Society of Australia, Box 4050, GPO Melbourne, 3001, Victoria, Australia

Telecommun. Policy (GB) (vol.1, no.5 Dec. 1977—)
Coden: TEPODJ ISSN 0308-5961
Telecommunications Policy Butterworth Scientific Ltd., Journals Division, P.O.Box 63, Westbury Houe, Bury Street, Guildford, Surrey GU2 5BH, England

†Telecommunications (India) (1968—)
Coden: TCMSAX ISSN 0497-1388
Telecommunications Telecommunication Training Centre Building, Ridge Road, Jabalpur 6 (MP), India

Telecommunications (USA) (vol.3, no.1 Jan. 1968—)
Coden: TLCOAY ISSN 0040-2494
Telecommunications 610 Washington Street, Dedham, MA 02026, USA

†Telecomunicazioni (Italy) (no.39 June 1971—)
Coden: TLCZAX ISSN 0495-0186
Telecomunicazioni Societa Italiana Telecomunicazioni Siemens s.p.a., 20149 Milano, Piazzale Zavattari 12, Italy

Telekomunikacije (Yugoslavia) (vol.24, no.2 1975—)
Coden: TLKMAY ISSN 0040-2605
Telekomunikacije Zajednica JPTT, Beograd, Palmotice va 2, Yugoslavia

Telektronikk (Norway) (1968—)
Coden: TKTKAW ISSN 0085-7130
Telektronikk Teledirektoratet, Postboks 6701, St. Olavs Plass, Oslo 1, Norway

Teleph. Eng. & Manage. (USA) (vol.72, no.19 1 Oct. 1968—)
Coden: TPEMAW ISSN 0040-263X
Telephone Engineer and Management Harcourt Brace Jovanovich Publications, 124 South First Street, Geneva, IL 60134, USA

Telephony (USA) (vol.192, no.20 16 May 1977—)
Coden: TLPNAS ISSN 0040-2656
Telephony Telephony Publishing Corp., 55 East Jackson Boulevard, Chicago, IL 60604, USA

†Telesis (Canada) (vol.1, no.9 Oct. 1970—)
Coden: TLSSAO ISSN 0040-2710
Telesis Bell-Northern Research, P.O. Box 3511, Station 'C', Ottawa, Ontario K1Y 4H7, Canada

Teleteknik (Engl. Ed.) (Denmark) (1968—)
Coden: TLKKAS ISSN 0492-6110
Teleteknik (English Edition) 16 Kannikegade, DK 8000 Aarhus C, Denmark

Telettra (Italy) (1968—)
Coden: TELTBC
Telettra Title changed to: Telettra Rev. (Italy)

Telettra Rev. (Italy) (no.29 Sept. 1978—)
Coden: TREVD8 ISSN 0392-8268
Telettra Review Formerly: Telettra (Italy)
Telettra S.p.A., Via trento 30, Vimercante, Milano, Italy

Television (GB) (vol.21, no.10 Aug. 1971—)
Coden: TVSCAC ISSN 0032-647X
Television IPC Magazines Ltd., Lavington House, Lavington Street, London SE1 0PF, England

Television (J. R. Telev. Soc.) (GB) (vol.16, no.2 March-April 1976—)
Coden: TELED3 ISSN 0308-454X
Television (Journal of the Royal Television Society) Formerly: R. Telev. Soc. J. (GB)
Tavistock House East, Tavistock Square, London, WC1H 9HR, England

Tellus (Sweden) (1968—)
Coden: TELLAL ISSN 0040-2826
Tellus Journal split into two parts: Tellus Ser. A (Sweden) and Tellus Ser. B (Sweden)

Tellus Ser. A (Sweden) (vol.35A, no.1 Jan. 1983—)
Coden: TSAOD8 ISSN 0280-6495
Tellus, Series A (Dynamic Meteorology and Oceanography) Swedish Geophysical Society. Editorial address: Arrhenius Laboratory, S-10691 Stockholm, Sweden. Supersedes in part: Tellus (Sweden)

Tellus Ser. B (Sweden) (vol.35B, no.1 Feb. 1983—)
Coden: TSBMD7 ISSN 0280-6509
Tellus, Series B (Chemical and Physical Meteorology) Swedish Geophysical Society. Editorial address: Arrhenius Laboratory, S-10691 Stockholm, Sweden. Supersedes in part: Tellus (Sweden)

Telonde (France) (no.2 1971—)
Coden: TLNDAM ISSN 0040-2834
Telonde Thomson-CSF, BP 2000, 78-Versailles, France

Tenmon Geppo
See: Astron. Her. (Japan)

Teor. & Eksp. Khim. (USSR) (1968—)
Coden: TEKHA4 ISSN 0497-2627
Teoreticheskaya i Eksperimental'naya Khimiya Mezhdunarodnaya Kniga, Moskva, USSR [English translation in: *Theor. & Exp. Chem. (USA)*]

Teor. & Mat. Fiz. (USSR) (vol.10, no.1 Jan. 1972—)
Coden: TMFZAL ISSN 0564-6162
Teoreticheskaya i Matematicheskaya Fizika Editorial address: Department of Theoretical Physics, Institute of Mathematics, Academy of Sciences of the USSR, Moscow, USSR [English translation in: *Theor. & Math. Phys. (USA)*]

Teor. Veroyatn. & Primen. (USSR) (vol.13, no.1 1968—)
Coden: TVPRA8 ISSN 0040-361X
Teoriya Veroyatnostei i ee Primeneniya Mezhdunarodnaya Kniga, Moskva, USSR [English translation in: *Theory Probab. & Appl. (USA)*]

Teploenergetika (USSR) (no.4 April 1969—)
Coden: TPLOA5 ISSN 0131-7067
Teploenergetika Krasnokasarmennaya ul., d. 14, Moskva, E-250, USSR [English translations of selected articles in:*Therm. Eng. (GB)*]

Teplofiz. Vys. Temp. (USSR) (1968—)
Coden: TVYTAP ISSN 0040-3644
Teplofizika Vysokikh Temperatur Akademiya Nauk SSSR. 17 Korpus 2, Moskva E-250, USSR [English translation in: *High Temp. (USA)*]

Terebijon
See: J. Inst. Telev. Eng. Jpn. (Japan)

TESLA Electron. (Czechoslovakia) (vol.1, no.1 Aug. 1968—)
Coden: TNPTAQ ISSN 0563-1823
TESLA Electronics TESLA Electronics and Telecommunications, Karlovo nam. 7, Praha 2, Czechoslovakia

Test (GB) (vol.2, no.2 April 1980—)
Coden: TESTDF ISSN 0143-2397
Test Network, Printers Mews, Market Hill, Buckingham MK18 1JX, England

Texas J. Sci. (USA) (vol.23, no.3 10 Feb. 1972—)
Coden: TJSCAU ISSN 0040-4403
Texas Journal of Science The Talley Press, San Angelo, Texas, USA

Texture (GB) (vol.1, no.1 July 1972—)
Coden: TXTRB9
Texture Title changed to: Texture Cryst. Solids (GB)

Texture Cryst. Solids (GB) (vol.2, no.4 1977—)
Coden: TCSODK ISSN 0309-7951
Texture of Crystalline Solids Formerly: Texture (GB) Title changed to: Textures & Microstruct. (GB)

Textures & Microstruct. (GB) (vol.4, no.4 1982—)
Coden: TEMIDK ISSN 0730-3300
Textures and Microstructures Formerly: Texture Cryst. Solids (GB)
Gordon and Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England

†THEOCHEM (Netherlands) (vol.1, no.1 Jan. 1981—)
Coden: THEODJ ISSN 0166-1280
THEOCHEM Elsevier Scientific Publishing Co., P.O.Box 330, 1000 AH Amsterdam, Netherlands

Theor. & Exp. Chem. (USA) (1968—)
Coden: TEXCAK ISSN 0040-5760
Theoretical and Experimental Chemistry [Translation of: *Teor. & Eksp. Khim. (USSR)*] Consultants Bureau, 233 Spring Street, New York, NY 10013, USA

†Theor. & Math. Phys. (USA) (vol.10, no.1 Jan. 1972—)
Coden: TMPHAH ISSN 0040-5779
Theoretical and Mathematical Physics [Translation of: *Teor. & Mat. Fiz. (USSR)*] Consultants Bureau, 233 Spring Street, New York, NY 10013, USA

Theor. Chim. Acta (Germany) (vol.24, no.1 1972—)
Coden: TCHAAM ISSN 0040-5744
Theoretica Chimica Acta Springer-Verlag, D-1000 Berlin 33, Heidelberger Platz 3, Germany

Theor. Comput. Sci. (Netherlands) (vol.1, no.1 1975—)
Coden: TCSCDI ISSN 0304-3975
Theoretical Computer Science North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

Theory Probab. & Appl. (USA) (vol.15, no.1 1970—)
Coden: TPRBAU ISSN 0040-585X
Theory of Probability and its Applications [Translation of: *Teor. Veroyatn. & Primen. (USSR)*] Society for Industrial and Applied Mathematics, 33 South 17th Street, Philadelphia, PA 19103, USA

Therm. Eng. (GB) (vol.16, no.4 1969—)
Coden: THENAD ISSN 0040-6015
Thermal Engineering [Translation of: *Teploenergetika (USSR)*] British Library Lending Division, Boston Spa, Wetherby, West Yorks. LS23 7BQ, England. Distribution Centre, Blackhorse Road, Letchworth, Herts. SG6 1HN

Thin Films (GB) (vol.1, no.3 March 1969—)
Coden: THFIA3
Thin Films Title changed to: Electrocompon. Sci. & Technol. (GB)

Thin Solid Films (Switzerland) (vol.3, no.5 May 1969—)
Coden: THSFAP ISSN 0040-6090
Thin Solid Films Elsevier Sequoia, P.O. Box 851, 1001 Lausanne 1, Switzerland

Tidskr. Dok. (Sweden) (vol.28, no.1 1972—)
Coden: TDDKA5 ISSN 0040-6872
Tidskrift for Dokumentation Tekniska Litteratursallskapet, Box 5073, 161 11 Bromma 11, Sweden

Tijdschr. Ned. Elektron.- & Radiogenoot. (Netherlands) (vol.38, no.1 1973—)
Coden: NERTA9 ISSN 0374-3853
Tijdschrift van het Nederlands Elektronica- en Radiogenootschap Postbus 39, Leidschendam, Netherlands

TIMS/ORSA Bull. (USA) (no.1 1976—)
Coden: TIMBDR
TIMS/ORSA Bulletin Formerly: Bull. Oper. Res. Soc. Am. (USA) Title changed to: ORSA/TIMS Bull. (USA)

Tohoku Daigaku Dentsu Danwakai Kiroku
See: Rec. Electr. & Commun. Eng. Conversazione Tohoku Univ. (Japan)

Tohoku Daigaku Kagaku Keisoku Kenkyusho Hokoku
See: Bull. Res. Inst. Sci. Meas. Tohoku Univ. (Japan)

Tohoku Geophys. J. Sci. Rep. Tohoku Univ. Fifth Ser. (Japan) (vol.27, no.1 June 1980—)
Coden: TGJOD3 ISSN 0040-8794
Tohoku Geophysical Journal, Science Reports of the Tohoku University, Fifth Series Formerly: Sci. Rep. Tokohu Univ. Fifth Ser. Geophys. (Japan) Faculty of Science, Tohoku University, Sendai 980, Japan

Tohoku Univ. Inst. High Speed Mech. Rep. Ser. B
See: Rep. Inst. High Speed Mech. Tohoku Univ. Ser. B (Japan)

Tohoku Univ. Rec. Electr. & Commun. Eng. Conversazione
See: Rec. Electr. & Commun. Eng. Conversazione Tohoku Univ. (Japan)

Tohoku Univ. Res. Inst. Sci. Meas. Bull.
See: Bull. Res. Inst. Sci. Meas. Tohoku Univ. (Japan)

Tohoku Univ. Res. Inst. Sci. Rep. Ser. A
See: Sci. Rep. Res. Inst. Tohoku Univ. Ser. A (Japan)

Tohoku Univ. Res. Inst. Strength & Fract. Mater. Rep.
See: Rep. Res. Inst. Strength & Fract. Mater. (Japan)

Tohoku Univ. Sci. Rep. Eighth Ser. Phys. & Astron.
See: Sci. Rep. Tohoku Univ. Eighth Ser. Phys. & Astron. (Japan)

Tohoku Univ. Sci. Rep. I
See: Sci. Rep. Tohoku Univ. I (Japan)

Tohoku Univ. Technol. Rep.
See: Technol. Rep. Tohoku Univ. (Japan)

Toim. Eesti NSV Tead. Akad. Fuus. Mat. (USSR) (1968—)
Coden: ETFMB3 ISSN 0367-1429
Eesti NSV Teaduste Akadeemia. Toimetised. Fuusika, Matemaatika Sakala 3, Tallinn, Estonia, USSR

Tokushima Univ. Fac. Eng. Bull.
See: Bull. Fac. Eng. Tokushima Univ. (Japan)

Tokyo Astron. Bull. (Japan) (no.185 10 July 1968—)
Coden: TKABAC ISSN 0082-4690
Tokyo Astronomical Bulletin Tokyo Astronomical Observatory, University of Tokyo, Mitaka, Tokyo, Japan

Tokyo Astron. Obs. Ann.
See: Ann. Tokyo Astron. Obs. (Japan)

Tokyo Astron. Obs. Kiso Inf. Bull. (Japan) (vol.1, no.1 June 1979—)
Coden: KIBODE ISSN 0286-1380
Tokyo Astronomical Observatory, Kiso Information Bulletin Mitaka, Tokyo, Japan

Tokyo Astron. Obs. Rep. (Japan) (vol.14, no.3 March 1968—)
Coden: TAORAQ ISSN 0374-4639
Tokyo Astronomical Observatory Report University of Tokyo, Mitaka, Tokyo, Japan

Tokyo Astron. Obs. Time & Latitude Bull. (Japan) (vol.50, no.3 July-Sept. 1976—)
Coden: TATLBY ISSN 0388-3701
Tokyo Astronomical Observatory Time and Latitude Bulletins Mitaka, Tokyo, Japan

Tokyo Daigaku Jishin Kenkyusho Iho
See: Bull. Earthquake Res. Inst. Univ. Tokyo (Japan)

Tokyo Daigaku Kogakubu Fuzoku Sogo Shikenjo Nenpo
See: Annu. Rep. Eng. Res. Inst. Fac. Eng. Univ. Tokyo (Japan)

Tokyo Daigaku Kogakubu Kiyo, A
See: J. Fac. Eng. Univ. Tokyo Ser. A (Japan)

Tokyo Daigaku Seisan Gijutsu Kenkyusho Hokoku
See: Rep. Inst. Ind. Sci. Univ. Tokyo (Japan)

Tokyo Daigaku Uchu Koku Kenkyusho Hokoku
See: Bull. Inst. Space & Aeronaut. Sci. Univ. Tokyo A (Japan)

Tokyo Daigaku Uchu Koku Kenkyusho Hokoku
See: Bull. Inst. Space & Aeronaut. Sci. Univ. Tokyo B (Japan)

Tokyo Denki Daigaku Kogakubu kenkyu hokoku
See: Res. Rep. Fac. Eng. Tokyo Denki Univ. (Japan)

Tokyo Denki Univ. Fac. Eng. Res. Rep.
See: Res. Rep. Fac. Eng. Tokyo Denki Univ. (Japan)

Tokyo Denki Univ. Inst. Inf. Sci. & Technol. Res. Rep.
See: Res. Rep. Inst. Inf. Sci. & Technol. Tokyo Denki Univ. (Japan)

Tokyo Gakugei Daigaku Kiyo, 4, Sugaku, Shizenkagaku
See: Bull. Tokyo Gakugei Univ. Ser. IV (Japan)

Tokyo Gakugei Univ. Bull. Ser. IV
See: Bull. Tokyo Gakugei Univ. Ser. IV (Japan)

Tokyo Inst. Polytech. Fac. Eng. Acad. Rep.
See: Acad. Rep. Fac. Eng. Tokyo Inst. Polytech. (Japan)

Tokyo Inst. Technol. Res. Lab. Eng. Mater. Rep.
See: Rep. Res. Lab. Eng. Mater. Tokyo Inst. Technol. (Japan)

Tokyo Inst. Technol. Res. Lab. Nucl. React. Bull.
See: Bull. Res. Lab. Nucl. React. (Japan)

Tokyo Inst. Technol. Res. Lab. Precis. Mach. & Electron. Bull.
See: Bull. Res. Lab. Precis. Mach. & Electron. (Japan)

Tokyo Metrop. Univ. Fac. Technol. Mem.
See: Mem. Fac. Technol. Tokyo Metrop. Univ. (Japan)

Tokyo Tenmondaiho
See: Tokyo Astron. Obs. Rep. (Japan)

Tokyo Univ. Coll. Gen. Educ. Sci. Rep.
See: Sci. Pap. Coll. Gen. Educ. Univ. Tokyo (Japan)

Tokyo Univ. Earthquake Res. Inst. Bull.
See: Bull. Earthquake Res. Inst. Univ. Tokyo (Japan)

Tokyo Univ. Eng. Res. Inst. Fac. Eng., Annu. Rep.
See: Annu. Rep. Eng. Res. Inst. Fac. Eng. Univ. Tokyo (Japan)

Tokyo Univ. Fac. Eng. J. Ser. A
See: J. Fac. Eng. Univ. Tokyo Ser. A (Japan)

Tokyo Univ. Fac. Eng. J. Ser. B
See: J. Fac. Eng. Univ. Tokyo Ser. B (Japan)

Tokyo Univ. Fac. Sci. J. Sect. 1A
See: J. Fac. Sci. Univ. Tokyo Sect. 1A (Japan)

Tokyo Univ. Inst. Ind. Sci. Rep.
See: Rep. Inst. Ind. Sci. Univ. Tokyo (Japan)

Tokyo-Toritsu Daigaku Kogakubu Kenkyu Ichiran
See: Mem. Fac. Technol. Tokyo Metrop. Univ. (Japan)

Tool. & Prod. (USA) (vol.37, no.4 July 1971—)
Coden: TOPRAR ISSN 0040-9243
Tooling and Production Huebner Publications, 5821 Harper Road, Solon, OH 44139, USA

†**Toshiba Rev. (Int. Ed.) (Japan)** (1968—)
Coden: TRIEA8 ISSN 0303-416X
Toshiba Review (International Edition) Toshiba Corp., 1, Komuka Toshiba-cho, Saiwai-ku, Kawasaki, Japan

Toute Electron. (France) (vol.35, no.329 Oct. 1968—)
Coden: TOELAM ISSN 0040-9855
Toute l'Electronique Societe des Editions Radio, 9 rue Jacob, 75006 Paris, France

Toyama Univ. Math. Rep.
See: Math. Rep. Toyama Univ. (Japan)

Tr. Ordena Lenina Fiz. Inst. P.N. Lebedeva (USSR) (vol.93 1977—)
Trudy Ordena Lenina Fizicheskogo Instituta Im. P.N. Lebedeva Akademiya Nauk SSSR, Moskva, USSR [English translation in: *Proc. (Tr.) P.N. Lebedev Phys. Inst. (USA)*]

TRAC Trends Anal. Chem. (Netherlands) (vol.1, no.3 Nov. 1981—)
Coden: TTAEDJ ISSN 0165-9936
TRAC Trends in Analytical Chemistry Elsevier Scientific Publishing Co., P.O.Box 330, 1000 AH Amsterdam, Netherlands

Traffic Eng. & Control (GB) (vol.11, no.11 March 1970—)
Coden: TENCA4 ISSN 0041-0683
Traffic Engineering & Control Printerhall Ltd., 29 Newman Street, London, W1P 3PE, England

Traffic Manage. (USA) (vol.19, no.9 Sept. 1980—)
Coden: TRMADJ ISSN 0041-0691
Traffic Management Cahners Publishing Co., 221 Columbus Avenue, Boston, MA 02116, USA

Train. & Dev. J. (USA) (Sept. 1983—)
ISSN 0041-0861
Training and Development Journal American Society for Training and Development, Suite 305, 600 Maryland Avenue, S.W., Washington, DC 20024, USA

Train. Off. (GB) (vol.19, no.7 July 1983—)
ISSN 0041-090X
Training Officer Marylebone Press Ltd., 25 Cross Street, Manchester M2 1WL, England

Trans. & J. Br. Ceram. Soc. (GB) (vol.70, no.5 July 1971—)
Coden: TJBCAD ISSN 0307-7357
Transactions and Journal of the British Ceramic Society Shelton House, Stoke-on-Trent, England

Trans. Am. Nucl. Soc. (USA) (vol.11, no.2 1968—)
Coden: TANSAO ISSN 0003-018X
Transactions of the American Nuclear Society American Nuclear Society, 555 North Kensington Avenue, La Grange Park, IL 60525, USA

Trans. ASME Ser. A, J. Eng. Power (USA) (1968—)
Coden: JEPOA8
Transactions of the ASME. Series A, Journal of Engineering for Power Title changed to: Trans. ASME. J. Eng. Power (USA)

Trans. ASME Ser. B, J. Eng. Ind. (USA) (1968—)
Coden: JEFIA8
Transactions of the ASME. Series B, Journal of Engineering for Industry Title changed to: Trans. ASME. J. Eng. Ind. (USA)

Trans. ASME Ser. C, J. Heat Transfer (USA) (1968—)
Coden: JHTRAO
Transactions of the ASME. Series C, Journal of Heat Transfer Title changed to: Trans. ASME. J. Heat Transfer (USA)

Trans. ASME Ser. E, J. Appl. Mech. (USA) (1968—)
Coden: JAMCAV
Transactions of the ASME, Series E, Journal of Applied Mechanics Title changed to: Trans. ASME. J. Appl. Mech. (USA)

Trans. ASME Ser. F, J. Lubr. Technol. (USA) (vol.90, no.1 Jan. 1968—)
Coden: JLUTAT
Transactions of the ASME, Series F, Journal of Lubrication Technology Title changed to: Trans. ASME. J. Lubr. Technol. (USA)

Trans. ASME Ser. G, J. Dyn. Syst. Meas. & Control (USA) (vol.93, no.1 March 1971—)
Coden: JDSMAA
Transactions of the ASME. Series G, Journal of Dynamic Systems, Measurement and Control Title changed to: Trans. ASME. J. Dyn. Syst. Meas. & Control (USA)

Trans. ASME Ser. H, J. Eng. Mater. & Technol. (USA) (vol.95, no.2 April 1973—)
Coden: JEMTA8
Transactions of the ASME. Series H, Journal of Engineering Materials and Technology Title changed to: Trans. ASME. J. Eng. Mater. & Technol. (USA)

Trans. ASME Ser. I, J. Fluids Eng. (USA) (vol.95, no.1 March 1973—)
Coden: JFEGA4
Transactions of the ASME. Series I, Journal of Fluids Engineering Title changed to: Trans. ASME. J. Fluids Eng. (USA)

Trans. ASME Ser. J, J. Pressure Vessel Technol. (USA) (vol.96, no.1 Feb. 1974—)
Coden: JPVTAS
Transactions of the ASME. Series J, Journal of Pressure Vessel Technology Title changed to: Trans. ASME. J. Pressure Vessel Technol. (USA)

Trans. ASME Ser. K, J. Biomech. Eng. (USA) (vol.99, no.1 Feb. 1977—)
Transactions of the ASME, Series K, Journal of Biomechanical Engineering Title changed to: Trans. ASME. J. Biomech. Eng. (USA)

Trans. ASME. J. Appl. Mech. (USA) (vol.45, no.1 March 1978—)
Coden: JAMCAV ISSN 0021-8936
Transactions of the ASME. Journal of Applied Mechanics Formerly: Trans. ASME Ser. E, J. Appl. Mech. (USA)
American Society of Mechanical Engineers, 345 East 47th Street, New York, NY 10017, USA

Trans. ASME. J. Biomech. Eng. (USA) (vol.100, no.1 Feb. 1978—)
Coden: JBENDY ISSN 0148-0731
Transactions of the ASME. Journal of Biomechanical Engineering Formerly: Trans. ASME Ser. K, J. Biomech. Eng. (USA)
American Society of Mechanical Engineers, 345 East 47th Street, New York, NY 10017, USA

†Trans. ASME. J. Dyn. Syst. Meas. & Control (USA) (vol.100, no.1 March 1978—)
Coden: JDSMAA ISSN 0022-0434
Transactions of the ASME. Journal of Dynamic Systems, Measurement and Control Formerly: Trans. ASME Ser. G, J. Dyn. Syst. Meas. & Control (USA)
American Society of Mechanical Engineers, 345 East 47th Street, New York, NY 10017, USA

Trans. ASME. J. Energy Resour. Technol. (USA) (vol.101, no.3 Sept. 1979—)
Coden: JERTD2 ISSN 0195-0738
Transactions of the ASME. Journal of Energy Resources Technology
American Society of Mechanical Engineers, 345 East 47th Street, New York, NY 10017, USA

Trans. ASME. J. Eng. Ind. (USA) (vol.100, no.1 Feb. 1978—)
Coden: JEFIA8 ISSN 0022-0817
Transactions of the ASME. Journal of Engineering for Industry Formerly: Trans. ASME Ser. B, J. Eng. Ind. (USA)
American Society of Mechanical Engineers, 345 East 47th Street, New York, NY 10017, USA

Trans. ASME. J. Eng. Mater. & Technol. (USA) (vol.100, no.1 Jan. 1978—)
Coden: JEMTA8 ISSN 0094-4289
Transactions of the ASME. Journal of Engineering Materials and Technology Formerly: Trans. ASME Ser. H, J. Eng. Mater. & Technol. (USA)
American Society of Mechanical Engineers, 345 East 47th Street, New York, NY 10017, USA

Trans. ASME. J. Eng. Power (USA) (vol.100, no.1 Jan. 1978—)
Coden: JEPOA8 ISSN 0022-0825
Transactions of the ASME. Journal of Engineering for Power Formerly: Trans. ASME Ser. A, J. Eng. Power (USA)
American Society of Mechanical Engineers, 345 East 47th Street, New York, NY 10017, USA

Trans. ASME. J. Fluids Eng. (USA) (vol.100, no.1 March 1978—)
Coden: JFEGA4 ISSN 0098-2202
Transactions of the ASME. Journal of Fluids Engineering Formerly: Trans. ASME Ser. I, J. Fluids Eng. (USA)
American Society of Mechanical Engineers, 345 East 47th Street, New York, NY 10017, USA

Trans. ASME. J. Heat Transfer (USA) (vol.100, no.1 Feb. 1978—)
Coden: JHTRAO ISSN 0022-1481
Transactions of the ASME. Journal of Heat Transfer Formerly: Trans. ASME Ser. C, J. Heat Transfer (USA)
American Society of Mechanical Engineers, 345 East 47th Street, New York, NY 10017, USA

Trans. ASME. J. Lubr. Technol. (USA) (vol.100, no.1 Jan. 1978—)
Coden: JLUTAT ISSN 0022-2305
Transactions of the ASME. Journal of Lubrication Technology Formerly: Trans. ASME Ser. F, J. Lubr. Technol. (USA)
American Society of Mechanical Engineers, 345 East 47th Street, New York, NY 10017, USA

Trans. ASME. J. Mech. Des. (USA) (vol.100, no.1 Jan. 1978—)
Coden: JMDEDB ISSN 0161-8458
Transactions of the ASME. Journal of Mechanical Design Journal split into two parts: Trans. ASME. J. Mech. Transm. & Autom. Des. (USA) and Trans. ASME. J. Vib. Acoust. Stress & Reliab. Des. (USA)

Trans. ASME. J. Mech. Transm. & Autom. Des. (USA) (vol.105, no.1 March 1983—)
Transactions of the ASME. Journal of Mechanisms, Transmissions, and Automation in Design American Society of Mechanical Engineers, United Engineering Center, 345 East 47th Street, New York, NY 10017, USA. Supersedes in part: Trans. ASME. J. Mech. Des. (USA)

Trans. ASME. J. Pressure Vessel Technol. (USA) (vol.100, no.1 Feb. 1978—)
Coden: JPVTAS ISSN 0094-9930
Transactions of the ASME. Journal of Pressure Vessel Technology Formerly: Trans. ASME Ser. J, J. Pressure Vessel Technol. (USA)
American Society of Mechanical Engineers, 345 East 47th Street, New York, NY 10017, USA

Trans. ASME. J. Sol. Energy Eng. (USA) (vol.102, no.1 Feb. 1980—)
Coden: JSEEDO ISSN 0199-6231
Transactions of the ASME. Journal of Solar Energy Engineering American Society of Mechanical Engineers, 345 East 47th Street, New York, NY 10017, USA

Trans. ASME. J. Vib. Acoust. Stress & Reliab. Des. (USA) (vol.105, no.1 Jan. 1983—)
Transactions of the ASME. Journal of Vibration, Acoustics, Stress, and Reliability in Design American Society of Mechanical Engineers, United Engineering Center, 345 East 47th Street, New York, NY 10017, USA. Supersedes in part: Trans. ASME. J. Mech. Des. (USA)

Trans. Bose Res. Inst. (India) (1968—)
Coden: TBICAQ ISSN 0006-7903
Transactions of the Bose Research Institute 93/1 Acharya Prafulla Chandra Road, Calcutta 9, India

Trans. Electr. Supply Auth. Eng. Inst. N.Z. (New Zealand) (vol.46 1976—)
Coden: TSAZD7
Transactions of the Electric Supply Authority Engineers' Institute of New Zealand Inc P.O. Box 3047, Wellington, New Zealand

Trans. Indian Inst. Met. (vol.34, no.5 Oct. 1981—)
Coden: TIIMA3 ISSN 0019-493X
Transactions of the Indian Institute of Metals 2 Sambhunath Pandit Street, Calcutta 700020, India

†Trans. Inf. Process. Soc. Jpn. (Japan) (vol.20, no.1 1979—)
Coden: JSGRD5 ISSN 0387-5806
Transactions of the Information Processing Society of Japan Kikai-Shinko-Kai Bldg., 3-5-8 Shiba-koen, Minato-ku, Tokyo 105, Japan

Trans. Inst. Chem. Eng. (GB) (1968—)
Coden: TICEAH ISSN 0046-9858
Transactions of the Institution of Chemical Engineers Title changed to: Chem. Eng. Res. & Des. (GB)

Trans. Inst. Electr. Eng. Jpn. (Japan) (vol.92, no.1 Jan. 1972—)
Coden: TIEJA8 ISSN 0020-2878
Transactions of the Institute of Electrical Engineers of Japan Journal split into 3 parts: Trans. Inst. Electr. Eng. Jpn. Part A, B and C (Japan)

Trans. Inst. Electr. Eng. Jpn. Part A (Japan) (vol.98A, no.4 April 1978—)
Coden: DGKRA8 ISSN 0385-4205
Transactions of the Institute of Electrical Engineers of Japan, Part A Yuraku-cho, Chiyoda-ku, Tokyo, Japan. Translation in: Electr. Eng. Jpn. (USA). Supersedes in part: Trans. Inst. Electr. Eng. Jpn. (Japan)

Trans. Inst. Electr. Eng. Jpn. Part B (Japan) (vol.98B, no.4 April 1978—)
Coden: DGRBDW ISSN 0385-4213
Transactions of the Institute of Electrical Engineers of Japan, Part B Yuraku-cho, Chiyoda-ku, Tokyo, Japan. Translation in: Electr. Eng. Jpn. (USA). Supersedes in part: Trans. Inst. Electr. Eng. Jpn. (Japan)

Trans. Inst. Electr. Eng. Jpn. Part C (Japan) (vol.98C, no.4 April 1978—)
Coden: DGRCDZ ISSN 0385-4221
Transactions of the Institute of Electrical Engineers of Japan, Part C Yuraku-cho, Chiyoda-ku, Tokyo, Japan. Translation in: Electr. Eng. Jpn. (USA). Supersedes in part: Trans. Inst. Electr. Eng. Jpn. (Japan)

Trans. Inst. Electr. Eng. Jpn. Sect. E (Japan) (vol.99, no.1-2 Jan.-Feb. 1979—)
Coden: TIEJDB ISSN 0288-0873
Transactions of the Institute of Electrical Engineers of Japan, Section E Denki Gakkai, 1-12-1 Yurakucho, Chiyodaku, Tokyo, Japan. Contains original contributions in English and abridged version in English of papers published in Japanese in Trans. Inst. Electr. Eng. Jpn. Parts A, B and C (Japan)

†Trans. Inst. Electron. & Commun. Eng. Jpn. Part A (Japan) (vol.52, no.2 Feb. 1969—)
Coden: DTGABT ISSN 0373-6091
Transactions of the Institute of Electronics and Communication Engineers of Japan, Part A Denshi Tsushin Gakkai, Kikai-Shinko-Kaikan, 5-8 Shibakoen 3 Chome, Minato-ku, Tokyo 105, Japan. English translation of selected articles appear in Electron. & Commun. Jap. (USA) and Syst. Comput. Control (USA)

†Trans. Inst. Electron. & Commun. Eng. Jpn. Part B (Japan) (vol.52, no.2 Feb. 1969—)
Coden: DTGBBW ISSN 0373-6105
Transactions of the Institute of Electronics and Communication Engineers of Japan, Part B Denshi Tsushin Gakkai, Kikai-Shinko-Kaikan, 5-8 Shibakoen 3 Chome, Minato-ku, Tokyo 105, Japan. English translation of selected articles appear in Electron. & Commun. Jap. (USA) and Syst. Comput. Control (USA)

†Trans. Inst. Electron. & Commun. Eng. Jpn. Part C (Japan) (vol.52, no.2 Feb. 1969—)
Coden: DTGCAY ISSN 0373-6113
Transactions of the Institute of Electronics and Communication Engineers of Japan, Part C Denshi Tsushin Gakkai, Kikai-Shinko-Kaikan, 5-8 Shibakoen 3 Chome, Minato-ku, Tokyo 105, Japan. English translation of selected articles appear in Electron. & Commun. Jap. (USA) and Syst. Comput. Control (USA)

†Trans. Inst. Electron. & Commun. Eng. Jpn. Part D (Japan) (vol.55D, no.1 Jan. 1972—)
Coden: DTGDA3 ISSN 0374-468X
Transactions of the Institute of Electronics and Communication Engineers of Japan, Part D Denshi Tsushin Gakkai, Kikai-Shinko-Kaikan, 5-8 Shibakoen 3 Chome, Minato-ku, Tokyo 105, Japan. English translation of selected articles appear in Electron. & Commun. Jap. (USA) and Syst. Comput. Control (USA)

†Trans. Inst. Electron. & Commun. Eng. Jpn. Sect. E (Japan) (vol.E59, no.4 April 1976—)
Coden: TIEEDU ISSN 0387-236X
Transactions of the Institute of Electronics and Communication Engineers of Japan, Section E (English) Denshi Tsushin Gakkai, Kikai-Shinko-Kaikan, 5-8 Shibakoen 3 Chome, Minato-ku, Tokyo, Japan. Contains original contributions in English and abridged version in English of papers and letters published in Japanese in Trans. Inst. Electron. & Commun. Eng. Jpn. Parts A, B, C and D(Japan)

Trans. Inst. Eng. Aust. Civ. Eng. (Australia) (vol.CE21, no.2 1979—)
Coden: TEACDA ISSN 0020-3297
Transactions of the Institution of Engineers, Australia, Civil Engineering Formerly: Inst. Eng. Aust. Civ. Eng. Trans. (Australia)
11 National Circuit, Barton, A.C.T. 2600, Australia

Trans. Inst. Eng. Aust. Electr. Eng. (Australia) (vol.EE15, no.2 1979—)
Coden: TEAEDG ISSN 0020-3300
Transactions of the Institution of Engineers, Australia Electrical Engineering Formerly: Inst. Eng. Aust. Electr. Eng. Trans. (Australia). Merged with Proc. IREE Aust. (Australia) to form J. Electr. & Electron. Eng. Aust. (Australia)

Trans. Inst. Eng. Aust. Gen. Eng. (Australia) (vol.GE4 1980—)
Coden: TRGEDZ ISSN 0725-0444
Transactions of the Institution of Engineers, Australia, General Engineering 11 National Circuit, Barton, A.C.T. 2600, Australia

Trans. Inst. Eng. Aust. Mech. Eng. (Australia) (vol.ME4 Nov. 1979—)
Coden: TEAMD6 ISSN 0313-5519
Transactions of the Institution of Engineers, Australia Mechanical Engineering Formerly: Inst. Eng. Aust. Mech. Eng. Trans. (Australia)
11 National Circuit, Barton, A.C.T. 2600, Australia

Trans. Inst. Meas. & Control (GB) (vol.1, no.1 Jan.-March 1979—)
Coden: TICODG ISSN 0142-3312
Transactions of the Institute of Measurement and Control 20 Peel Street, London W8 7DP, England

Trans. Inst. Met. Finish. (GB) (1968—)
Coden: TIMFA2 ISSN 0020-2967
Transactions of the Institute of Metal Finishing Exeter House, 48 Holloway Head, Birmingham B1 1NQ, England

Trans. Inst. Prof. Eng. N.Z. Civ. Eng. Sect. (New Zealand) (vol.9, no.2/CE July 1982—)
Coden: TPCSD9 ISSN 0111-9508
Transactions of the Institution of Professional Engineers New Zealand, Civil Engineering Section Formerly: Trans. N.Z. Inst. Eng. Inc. Civ. Eng. Sect. (New Zealand)
101 Molesworth Street, P.O.Box 12241, Wellington, New Zealand

Trans. Inst. Prof. Eng. N.Z. Electr./Mech. Chem. Eng. Sect. (New Zealand) (vol.9, no.2/EMCh July 1982—)
Coden: TPESDJ ISSN 0111-946X
Transactions of the Institution of Professional Engineers New Zealand, Electrical/Mechanical Chemical Engineering Section Formerly: Trans. N.Z. Inst. Eng. Inc. Electr./Mech./Chem. Eng. Sect. (New Zealand)
101 Molesworth Street, P.O.Box 12241, Wellington, New Zealand

Trans. Int. Assoc. Math. & Comput. Simulation (Belgium) (vol.18, no.1 Jan. 1976—)
Coden: TIASDI
Transactions of the International Association for Mathematics and Computers in Simulation Formerly: Ann. Assoc. Int. Calcul Analogique (Belgium) Title changed to: Math. & Comput. Simulation (Netherlands)

†Trans. Jpn. Inst. Met. (Japan) (1968—)
Coden: TJIMAA ISSN 0021-4434
Transactions of the Japan Institute of Metals Japan Institute of Metals, Aoba Araniaki, Sendai 980, Japan

Trans. Jpn. Soc. Aeronaut. & Space Sci. (Japan) (1983—)
Coden: TJASAM ISSN 0549-3811
Transactions of the Japan Society for Aeronautical and Space Sciences Koukukaikan-bunkan, 1-18-2 Shinbashi, Minato-ku, Tokyo 105, Japan

Trans. Korean Inst. Electr. Eng. (vol.31, no.10 1982—)
Coden: CHNODD ISSN 0254-4172
Transactions of the Korean Institute of Electrical Engineers 11-4 Soopyo-dong, Chung-ku, Seoul 100, Korea

Trans. Metall. Soc. AIME (USA) (1968—)
Coden: TMSAAB
Transactions of the Metallurgical Society of AIME Title changed to: Metall. Trans. A (USA)

Trans. N.Z. Inst. Eng. Inc. Civ. Eng. Sect. (New Zealand) (vol.7, no.1/CE March 1980—)
Coden: TNZCDS ISSN 0111-2759
Transactions of the New Zealand Institution of Engineers Incorporated, Civil Engineering Section Title changed to: Trans. Inst. Prof. Eng. N.Z. Civ. Eng. Sect. (New Zealand)

Trans. N.Z. Inst. Eng. Inc. Electr./Mech./Chem. Eng. Sect. (New Zealand) (vol.7, no.2/EMCh July 1980—)
Coden: TNZSD8 ISSN 0111-2740
Transactions of the New Zealand Institution of Engineers Incorporated, Electrical/Mechanical/Chemical Engineering Section Title changed to: Trans. Inst. Prof. Eng. N.Z. Electr./Mech. Chem. Eng. Sect. (New Zealand)

†Trans. Natl. Res. Inst. Met. (Japan) (1968—)
Coden: TNRMAF ISSN 0453-9222
Transactions of National Research Institute for Metals 3-12, 2-chome, Nakameguro, Meguro-ku, Tokyo, Japan

Trans. North East Coast Inst. Eng. Shipbuild. (GB) (1968—)
Coden: TNEEAS ISSN 0029-280X
Transactions of the North East Coast Institution of Engineers and Shipbuilders Sunderland Polytechnic, Chester Road, Sunderland, Tyne and Wear SR1 3SD, England

Trans. R. Soc. Can. (Canada) (vol.8 1970—)
Coden: TRSCAI ISSN 0035-9122
Transactions of the Royal Society of Canada (Memoires de la Societe Royale du Canada) 344 Wellington Street, Ottawa K1A ONA, Canada. University of Toronto Press, Toronto 5, Ontario

Trans. Rhod. Sci. Assoc. (Rhodesia) (vol.56, no.1 Nov. 1974—)
Coden: TRSADF
Transactions of the Rhodesia Scientific Association Formerly: Proc. & Trans. Rhod. Sci. Assoc. (Rhodesia) Title changed to: Trans. Zimbabwe Sci. Assoc.

Trans. S. Afr. Inst. Electr. Eng. (S. Africa) (1968—)
Coden: TSAEA9 ISSN 0038-2221
Transactions of the South African Institute of Electrical Engineers Kelvin Publications, Loveday Street, P.O. Box 2988, 2000 Johannesburg, South Africa

Trans. SAEST (India) (vol.7, no.1 Jan.-March 1972—)
Coden: TSETA6 ISSN 0036-0678
Transactions of the Society for Advancement of Electrochemical Science and Technology Cecrinagar, Karaikudi-3, Tamil Nadu, India

Trans. Soc. Instrum. & Control Eng. (Japan) (1968—)
Coden: TSICA9 ISSN 0453-4654
Transactions of the Society of Instrument and Control Engineers Hongo-1-35-28-303, Bunkyo-ku, Tokyo 113, Japan

Trans. Soc. Rheol. (USA) (vol.15, no.4 1971—)
Coden: TSRHAZ
Transactions of the Society of Rheology Title changed to: J. Rheol. (USA)

Trans. Tech. Sect. Can. Pulp & Pap. Assoc. (Canada) (vol.5, no.1 March 1979—)
Coden: TSCPDL ISSN 0317-882X
Transactions of the Technical Section, Canadian Pulp and Paper Association Title changed to: J. Pulp & Pap. Sci. (Canada)

Trans. Zimbabwe Sci. Assoc. (vol.60, no.1 April 1980—)
Coden: TZASDZ ISSN 0254-2765
Transactions of the Zimbabwe Scientific Association Formerly: Trans. Rhod. Sci. Assoc. (Rhodesia)
M.O. Collins (Pvt.) Ltd., P.O. Box 3094, Salisbury, Zimbabwe

Transducer Technol. (GB) (vol.2, no.3 March-April 1980—)
Coden: TTECDX ISSN 0143-7275
Transducer Technology Industrial Media Ltd., 6 Frant Road, Tunbridge Wells, Kent TN2 5SJ, England

Transelektro News (Hungary) (1968—)
Coden: TREKB7 ISSN 0564-1055
Transelektro News Hungarian Trading Co. for Electrical Equipment and Supplies, Budapest 62, PO Box 337, Hungary

Transm. & Distrib. (USA) (1968—)
Coden: TRDIAT ISSN 0041-1280
Transmission and Distribution Cleworth Publishing Co., One River Road, Cos Cob, CT 16807, USA

Transnatl. Data Rep. (Netherlands) (vol.4, no.1 Jan. 1981—)
Coden: TTDRD5 ISSN 0167-6962
Transnational Data Report North-Holland Publishing Co., P.O.Box 211, 1000 AE Amsterdam, Netherlands

Transp. Environ. Circ. (France) (no.57 March-April 1983—)
Coden: TECID4 ISSN 0397-6513
Transport Environnement Circulation 38 Avenue Emile-Zola, 75015 Paris, France

Transp. Plann. & Technol. (GB) (vol.1, no.1 April 1972—)
Coden: TPLTAK ISSN 0308-1060
Transport Planning and Technology Gordon and Breach Science Publications Ltd. 41 and 42 William IV Street, London, WC2, England

Transp. Res. (GB) (vol.9, no.2-3 July 1975—)
Coden: TRREBK
Transportation Research Journal split into two parts: Transp. Res. Parts A and B (GB)

Transp. Res. Part A (GB) (vol.13A, no.2 April 1979—)
Coden: TRAGDB ISSN 0191-2607
Transportation Research Part A: General Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England. Supersedes in part: Transp. Res. (GB)

Transp. Res. Part B (GB) (vol.13B, no.3 Sept. 1979—)
Coden: TRBMDY ISSN 0191-2615
Transportation Research Part B: Methodological Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England. Supersedes in part: Transp. Res. (GB)

Transp. Sci. (USA) (vol.5, no.4 Nov. 1971—)
Coden: TRSCBJ ISSN 0041-1655
Transportation Science Operations Research Society of America, 428 East Preston Street, Baltimore, MD 21202, USA

Transp. Theory & Stat. Phys. (USA) (vol.1, no.1 Jan. 1971—)
Coden: TTSPB4 ISSN 0041-1450
Transport Theory and Statistical Physics Marcel Dekker Inc., 270 Madison Avenue, New York, NY 10016, USA

†Trends & Perspect. Signal Process. (USA) (vol.1, no.3 July 1981—)
Coden: TRPRDH ISSN 0736-7007
Trends & Perspectives in Signal Processing Signal Processing Resources Inc., Room 3720, One Boston Place, Boston, MA 02108, USA

Tribology Int. (GB) (vol.5, no.1 Feb. 1972—)
Coden: TRBIBK ISSN 0301-679X
Tribology International Butterworth Scientific Ltd., Journals Division, P.O.Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England

Tripoli Univ. Fac. Eng. Bull.
See: Univ. Tripoli Bull. Fac. Eng. (Libya)

Tsinghua Univ. J.
See: J. Tsinghua Univ. (China)

†TSS & TSS News (Egypt) (vol.14 1980—)
Coden: TSSNDR
TSS and TSS News Mr. Kamal Gohar, 24 Lmer Street, Dokki-Giza, Cairo, Egypt

Tud. & Musz. Tajek. (Hungary) (vol.18, no.11-12 Nov.-Dec. 1971—)
Coden: TMTAAG ISSN 0041-3917
Tudomanyos es Muszaki Tajekoztatas Orszagos Muszaki Konyvtar es Dokumentacios Kozpont, Budapest VIII, Reviczky u. 6, Hungary

Tung-Chi Univ. J.
See: J. Tung-Chi Univ. (China)

Uegyvitel & Inf. Allamigazgatasban (Hungary) (no. 1 1980—)
Coden: UIALD8
Ugyvitel es Informacio az Allamigazgatasban Lapkiado Vallalat, Lenin korut 9-11, Budapest VII, Hungary

†Ukr. Fiz. Zh. (USSR) (1968—)
Coden: UFIZAW ISSN 0503-1265
Ukrayins'kyi Fizychnyi Zhurnal 'Naukova Dumka', Kiev, Repina 3, USSR

Ultramicroscopy (Netherlands) (vol.1, no.1 July 1975—)
Coden: ULTRD6 ISSN 0304-3991
Ultramicroscopy North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

Ultrason. Imaging (USA) (vol.2, no.1 Jan. 1980—)
Coden: ULIMD4 ISSN 0161-7346
Ultrasonic Imaging Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

Ultrasonics (GB) (1968—)
Coden: ULTRA3 ISSN 0041-624X
Ultrasonics Butterworth Scientific Ltd., Journals Division, P.O.Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England

Ultrasound Med. & Biol. (GB) (vol.1, no.1 Sept. 1973—)
Coden: USMBA3 ISSN 0301-5629
Ultrasound in Medicine & Biology Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW, England

Umsch. Wiss. & Tech. (Germany) (no.7 27 March 1969—)
Coden: UWTCAZ
Umschau in Wissenschaft und Technik Title changed to: Umschau (Germany)

Umschau (Germany) (vol.82, no.1 8 Jan. 1982—)
Coden: UMSCDV ISSN 0041-6347
Die Umschau Formerly: Umsch. Wiss. & Tech. (Germany)
Postfach 11 02 62, Stuttgarter Strasse 18-24, D-6000 Frankfurt am Main 11, Germany

Und-oder-Nor & Steuerungstech. (Germany) (no.4 1974—)
Coden: UONSDY ISSN 0342-8834
Und-oder-Nor & Steuerungstechnik Formerly: Steuerungstechnik (Germany)
Distribution-Verlag GmbH, 65 Mainz, Lessingstrasse 12-14, Germany

† indicates a journal abstracted completely

Undersea Technol. (USA) (vol.13, no.1 Jan. 1972—)
Coden: UNTEAC
Undersea Technology Title changed to: Sea Technol. (USA)

Unesco Bull. Libr. (France) (vol.25, no.4 July-Aug. 1971—)
Coden: UNBLAB
Unesco Bulletin for Libraries Title changed to: Unesco J. Inf. Sci. Librarianship & Arch. Adm. (France)

Unesco J. Inf. Sci. Librarianship & Arch. Adm. (France) (vol.1, no.1 Jan.-March 1979—)
Coden: UJIADM ISSN 0379-122X
Unesco Journal of Information Science, Librarianship and Archives Administration Formerly: Unesco Bull. Libr. (France)
United Nations Educational, Scientific and Cultural Organization, 7 Place de Fontenoy, 75700 Paris, France

Union Burma J. Sci. & Technol. (vol.1, no.1 April 1969—)
Coden: UBJSAM ISSN 0566-7542
Union of Burma Journal of Science and Technology Union of Burma Applied Resrarch Institute, Yankin P.O., Rangoon, Burma

Univ. Electro-Commun. Rep.
See: Rep. Univ. Electro-Commun. (Japan)

Univ. Tripoli Bull. Fac. Eng. (Libya) (vol.2 1975—)
Coden: BFETDQ
University of Tripoli Bulletin of the Faculty of Engineering P.O. Box 1098, Tripoli, Libya

Univac Technol. Rev. (Japan) (1983—)
Univac Technology Review Japan Univac Users Association, 2-17-51, Akasaka, Minato-ku, Tokyo 107, Japan

Unternehmensforschung (Germany) (vol.12, no.2 1968—)
Coden: UNFGAG
Unternehmensforschung Journal split into two parts: Z. Oper. Res. Ser. A and Z. Oper. Res. Ser. B

†Usp. Fiz. Nauk (USSR) (1968—)
Coden: UFNAAG ISSN 0042-1294
Uspekhi Fizicheskii Nauk Agent: Mezhdunarodnaya Kniga, Moskva, USSR [English translation in: *Sov. Phys.-Usp. (USA)*]

USSR Comput. Math. & Math. Phys. (GB) (vol.8, no.4 1968—)
Coden: CMMPA9 ISSN 0041-5553
U.S.S.R. Computational Mathematics and Mathematical Physics [Translation of: *Zh. Vychisl. Mat. & Mat. Fiz. (USSR)*] Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW, England

UV Spectrom. Group Bull. (GB) (no.1 Aug. 1973—)
Coden: UVSGAZ ISSN 0144-2317
UV Spectrometry Group Bulletin Formerly: Photoelectr. Spectrom. Group Bull. (GB)
c/o Pye Unicam Ltd., York Street, Cambridge, CB1 2PX, England

Vac News (India) (vol.4, no.1 March 1973—)
Coden: VACNBB ISSN 0254-7848
Vac News Indian Vacuum Society, c/o Technical Physics Division, Bhabha Atomic Research Centre, Trombay, Bombay 400 085, India

Vac. Soc. Jpn. J.
See: J. Vac. Soc. Jpn. (Japan)

Vacuum (GB) (1968—)
Coden: VACUAV ISSN 0042-207X
Vacuum Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW, England

Vak.-Tech. (Germany) (vol.28, no.8 Nov. 1979—)
Coden: VAKTAY ISSN 0042-2266
Vakuum-Technik Rudolf A. Lang Verlag, Postfach, 6270 Idstein/Taunus, Germany

VDE Fachber. (Germany) (1968—)
Coden: VDEFAH ISSN 0340-4161
VDE Fachberichte Verband Deutscher Elektrotechniker. Bismarckstrasse 33, 1000 Berlin 12, Germany

VDI Z. (Germany) (1968—)
Coden: VDIZAT ISSN 0042-1766
VDI Zeitschrift Verlag des Vereins Deutscher Ingenieure, Graf-Recke Strasse 84, 4 Dusseldorf 1, Germany

Veh. Syst. Dyn. (Netherlands) (vol.1, no.1 May 1972—)
Coden: VSDYA4 ISSN 0042-3114
Vehicle System Dynamics Swets & Zeitlinger N.V., 347B Heereweg, Lisse, Netherlands

Ver. Dtsch. Ing. Z.
See: VDI Z. (Germany)

Verb. Dtsch. Elektrotech. Fachber.
See: VDE Fachber. (Germany)

Verh. K. Acad. Wet. Lett. & Schone Kunsten Belg. (Belgium) (1968—)
Coden: VVABA9
Verhandelingen van de Koninklijke Academie voor Wetenschappen, Letteren en Schone Kunsten van Belgie Title changed to: Verh. K. Acad. Wet. Lett. & Schone Kunsten Belg. Kl. Wet. (Belgium)

Verh. K. Acad. Wet. Lett. & Schone Kunsten Belg. Kl. Wet. (Belgium) (vol.40, no.147 1978—)
Coden: VKKWAB ISSN 0374-4752
Verhandelingen van de Koninklijke Academie voor Wetenschappen, Letteren en Schone Kunsten van Belgie, Klasse der Wetenschappen Formerly: Verh. K. Acad. Wet. Lett. & Schone Kunsten Belg. (Belgium)
Paleis der Academien, Hertogsstraat 1, B-1000 Brussel, Belgium

Verkstaederna (Sweden) (1968—)
Coden: VSTDAL ISSN 0042-4056
Verkstaderna Storgatan 5, Box 5510, 114 85 Stockholm 5, Sweden

Vertica (GB) (vol.1, no.1 1976—)
Coden: VERTDW ISSN 0360-5450
Vertica Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW, England

Vestn. Leningr. Univ. Fiz. & Khim. (USSR) (1968—)
Coden: VLUFBI ISSN 0024-0826
Vestnik Leningradskogo Universiteta Fizika i Khimiya Leningrad University Press, Universitetskaya Nab.7/9, Leningrad B-164, USSR

Vestn. Leningr. Univ. Ser. Mat. Mekh. & Astron. (USSR) (1968—)
Coden: VLUAA2 ISSN 0024-0850
Vestnik Leningradskogo Universiteta-Seriya; Matematika, Mekhanika i Astronomiya Universitetskaya Nab.7/9, Leningrad B-164, USSR

Vestn. Mashinostr. (USSR) (vol.49, no.2 1969—)
Coden: VMASAV ISSN 0042-4633
Vestnik Mashinostroeniya Mashinostroenie, Prospekt Mira, d. 106, Moskva, GSP-110, USSR. Translation of selected articles appear in Sov. Eng. Res. (GB)

Vestn. Mosk. Univ. Fiz. Astron. (USSR) (1968—)
Coden: VMUFAO
Vestnik Moskovskogo Universiteta - Fizika, Astronomiya Title changed to: Vestn. Mosk. Univ. Ser. 3 (USSR)

Vestn. Mosk. Univ. Mat. Mekh. (USSR) (no.3 March 1971—)
Coden: VMMMA5
Vestnik Moskovskogo Universiteta. Matematika, Mekhanika Title changed to: Vestn. Mosk. Univ. Ser. 1 (USSR)

Vestn. Mosk. Univ. Ser. 15 (USSR) (no.2 1978—)
Coden: VMUKD8
Vestnik Moskovskogo Universiteta, Seriya 15, Vychislitel'naya Matematika i Kibernetika Izdatel'stvo Moskovskogo Universiteta, Moskva, 103009, ul. Gertsena 5-7, USSR [English translation in: *Moscow Univ. Comput. Math. & Cybern. (USA)*]

Vestn. Mosk. Univ. Ser. 1 (USSR) (no.4 July-Aug. 1979—)
Coden: VMMMA5 ISSN 0579-9368
Vestnik Moskovskogo Universiteta, Seriya 1, Matematika Mekhanika Formerly: Vestn. Mosk. Univ. Mat. Mekh. (USSR)
Izdatel'stvo Moskovskogo Universiteta, 103009 Moskva, Ul. Gertsena 5/7, USSR

Vestn. Mosk. Univ. Ser. 3 (USSR) (vol.20, no.4 1979—)
Coden: VMUFAO ISSN 0579-9392
Vestnik Moskovskogo Universiteta, Seriya 3, Fizika Astronomiya Formerly: Vestn. Mosk. Univ. Fiz. Astron. (USSR)
Izdatel'stvo Moskovskogo Universiteta, 103009 Moskva, Ul. Gertsena 5/7, USSR [English translation in: *Moscow Univ. Phys. Bull. (USA)*]

Vestsi Akad. Navuk BSSR Ser. Fiz. Energ. Navuk (no.1 1972—)
Coden: VABFAF ISSN 0374-4760
Vestsi Akademii Navuk BSSR. Serya Fizika Energetychnykh Navuk 'Navuk i Tekhnika', Leninski Prospekt 68, Minsk, USSR

VGB Kraftwerkstech. (German Ed.) (Germany) (vol.60, no.9 Sept. 1980—)
Coden: VGBKB5 ISSN 0372-5715
VGB Kraftwerkstechnik (German Edition) Klinkerstrasse 27-31, Postfach 10 39 32, 4300 Essen 1, Germany

Vic Comput. (GB) (vol.2, no.1 Oct. 1982—)
Coden: VICOD4 ISSN 0264-178X
Vic Computing Paradox Group, 39-41 North Road, London N7 9DP, England

Vide (France) (1968—)
Coden: VIDEAA
Le Vide Title changed to: Vide les Couches Minces (France)

Vide les Couches Minces (France) (no.195 Jan.-March 1979—)
Coden: VCMIDS ISSN 0223-4335
Le Vide les Couches Minces Formerly: Vide (France)
Societe Francaise du Vide, 19 rue du Renard, 75004 Paris, France

Videodisc/Teletext (USA) (vol.1, no.1 Winter 1981—)
Coden: VDTTDZ ISSN 0198-9456
Videodisc/Teletext Microform Review Inc., 520 Riverside Avenue, P.O.Box 405 Saugatuck Station, Westport, CT 06880, USA

Videodisc/Videotex (USA) (vol.1, no.3 Summer 1981—)
Coden: VDVTDB ISSN 0278-9183
Videodisc/Videotex Microform Review Inc., 520 Riverside Avenue, P.O.Box 405 Saugatuck Station, Westport, CT 06880, USA

Vignana Bharathi (India) (vol.1, no.1 1975—)
Coden: VBHAD6 ISSN 0377-8487
Vignana Bharathi Department of Publications & Extension, Bangalore University, Bangalore 560056, India

Villamossag (Hungary) (vol.16, no.11-12 Nov.-Dec. 1968—)
Coden: VLMSAG ISSN 0042-6210
Villamossag Lapkiado Vallalat, Lenin Korut 9-11, Budapest VII, Hungary

VINE (GB) (no.27 March 1979—)
Coden: VINEDT ISSN 0305-5728
VINE University of Southampton, Southampton SO9 5NH, England

Visible Lang. (USA) (vol.5, no.4 Autumn 1971—)
Coden: VSLGAO ISSN 0022-2224
Visible Language c/o Cleveland Museum of Art, Cleveland, OH 44106, USA

†Vision Res. (GB) (1968—)
Coden: VISRAM ISSN 0042-6989
Vision Research Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW, England

Vistas Astron. (GB) (vol.19, pt.1 1975—)
Coden: VASTA6 ISSN 0083-6656
Vistas in Astronomy Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Visual Resour. (GB) (vol.1, no.1 Spring 1980—)
Coden: VRVRDZ ISSN 0197-3762
Visual Resources Oxford Microform Publications, 19a Paradise Street, Oxford OX1 1LD, England. Iconographic Publications, P.O.Box 327, Redding Ridge, CT 06876, USA

VLSI Des. (USA) (vol.4, no.1 Jan.-Feb. 1983—)
Coden: VDESDP ISSN 0279-2834
VLSI Design Redwood Systems Group, P.O.Box 50518, Palo Alto, CA 94303, USA

Vopr. At. Nauki & Tekh. Ser. Fiz. Radiats. Povrezhdenii & Radiats. Mater. (USSR) (no.1 1982—)
Coden: VAFMDP ISSN 0134-5400
Voprosy Atomnoi Nauki i Tekhniki, Seriya: Fizika Radiatsionnyk Povrezhdenii i Radiatsionnoe Materialovedenie Khar'kovskii Fiziko-Tekhnicheskii Institut, AN USSR, Kharkov 108, USSR

Vopr. At. Nauki & Tekh. Ser. Obshch. & Yad. Fiz. (USSR) (no.3 1982—)
Coden: VANFDA ISSN 0207-0472
Voprosy Atomnoi Nauki i Tekhniki, Seriya: Obshchaya i Yadernaya Fizika Khar'kovskii Fiziko-Tekhnicheskii Institut, AN USSR, Khar'kov 108, USSR

Vrashchenie & Prilivnye Deform. Zemli (USSR) (no.4 1972—)
Coden: VPDZAK ISSN 0374-4779
Vrashchenie i Prilivnye Deformatsii Zemli Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR

Vyber Inf. Organ. Vypocetni Tech. (Czechoslovakia) (no.3 1979—)
Coden: VIOTDB
Vyber Informaci z Organizacni a Vypocetni Techniky Narodni Organizace Technicke Obsluhy (NOTO), Praha 1, Na Perstyne 6, Czechoslovakia

Vychisl. Metody & Program. (USSR) (no.18 1972—)
Coden: VYMPAU ISSN 0507-5386
Vychislitel'nye Metody i Programmirovanie Izdatel'stvo Moskovskogo Universiteta, Moskva, K-9, Ul. Gertsena d. 5/7, USSR

Vychisl. Tekh. & Vopr. Kibern. (USSR) (no.18 1982—)
Coden: VTVKAP ISSN 0202-2494
Vychislitel'naya Tekhnika i Voprosy Kibernetiki Izdatel'stvo Leningradskogo Universiteta, Leningrad, USSR

Vysokomol. Soedin. Ser. A (USSR) (1968—)
Coden: VYSAAF ISSN 0507-5475
Vysokomolekulyarnye Soedineniya, Seriya A Akademiya Nauk USSR, Leninskii Prosp., Moskva, USSR [English translation in: *Polym. Sci. USSR (GB)*]

Vysokomol. Soedin. Ser. B (USSR) (vol.23, no.7 July 1981—)
Coden: VYSBAI ISSN 0507-5483
Vysokomolekularnye Soedineniya, Seriya B Akademiya Nauk SSSR, Leninskii Prosp., Moskva, USSR

Waerme (Germany) (1968—)
Coden: WARMAP ISSN 0372-7114
Warme Adelheidstrasse 28, 8 Munchen 40, Germany

Waerme- & Stoffuebertrag. (Germany) (vol.1, no.3 1968—)
Coden: WASBBW ISSN 0042-9929
Warme- und Stoffubertragung Springer-Verlag, 1 Berlin 33, Heidelberger Platz 3, Germany

Warangal Reg. Eng. Coll. Res. Bull.
See: Res. Bull. Reg. Eng. Coll. Warangal (India)

Waseda Univ. Sch. Sci. & Eng. Mem.
See: Mem. Sch. Sci. & Eng. Waseda Univ. (Japan)

Water Pollut. Res. J. Can. (Canada) (vol.16 1981—)
Coden: WRJCD9 ISSN 0197-9140
Water Pollution Research Journal of Canada Institute of Environmental Studies, University of Toronto, Toronto, Ont. M5S 1A4, Canada

Water Power (GB) (1968—)
Coden: WAPOAL
Water Power Title changed to: Int. Water Power & Dam Constr. (GB)

Water Res. (GB) (vol.12, no.1 1978—)
Coden: WATRAG ISSN 0043-1354
Water Research Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Water Resour. Res. (USA) (vol.8, no.2 April 1972—)
Coden: WRERAQ ISSN 0043-1397
Water Resources Research American Geophysical Union, 2000 Florida Avenue, N.W., Washington, DC 20009, USA

Water, Air & Soil Pollut. (Netherlands) (vol.1, no.1 Nov. 1971—)
Coden: WAPLAC ISSN 0049-6979
Water, Air and Soil Pollution Dr. Billy M. McCormac, 12861 Alta Tierra Road, Los Altos Hills, CA 94022, USA

Wave Electron. (Netherlands) (vol.1, no.1 Nov. 1974—)
Coden: WAELDS ISSN 0304-4025
Wave Electronics Elsevier Scientific Publishing Co., P.O. Box 211, Amsterdam, Netherlands

Wave Motion (Netherlands) (vol.1, no.1 Jan. 1979—)
Coden: WAMOD9 ISSN 0165-2125
Wave Motion North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

Wear (Switzerland) (vol.18, no.2 Aug. 1971—)
Coden: WEARCJ ISSN 0043-1648
Wear Elsevier Sequoia S.A., P.O. Box 851, 1001 Lausanne 1, Switzerland

Weather (GB) (vol.27, no.1 Jan. 1972—)
Coden: WTHRAL ISSN 0043-1656
Weather James Glaisher House, Grenville Place, Bracknell, Berks RG12 1BX, England

Weld. & Met. Fabr. (GB) (1968—)
Coden: WLMFAM ISSN 0043-2245
Welding and Metal Fabrication Butterworth Scientific Ltd., Journals Division, P.O.Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England

Weld. Des. & Fabr. (USA) (vol.48, no.1 Jan. 1975—)
Coden: WDEFAS ISSN 0043-2253
Welding Design and Fabrication Industrial Publishing Co., 614 Superior Avenue, W., Cleveland, OH 44113, USA. Incorporates Weld. Eng. (USA)

Weld. Eng. (USA) (vol.56, no.10 Oct. 1971—)
Coden: WEEGA4
Welding Engineer Incorporated with Weld. Des. & Fabr. (USA)

Weld. Prod. (GB) (vol.15, no.2 Feb. 1968—)
Coden: WEPRAO ISSN 0043-230X
Welding Production [Translation of: *Svar. Proizvod. (USSR)*] Welding Institute, Abington Hall, Abington, Cambridge CB1 6AL, England

Werkst. & Korros. (Germany) (vol.34, no.8 Aug. 1983—)
Coden: WSKRAT ISSN 0043-2822
Werkstoffe und Korrosion (Materials and Corrosion) Verlag Chemie GmbH, Postfach 1260/1280, Pappelallee 3, D-6940 Weinheim, Germany

Werkstatt & Betr. (Germany) (1968—)
Coden: WKUBA9 ISSN 0043-2792
Werkstatt und Betrieb Carl Hanser Verlag, Kolbergstrasse 22, D-8000 Munchen 80, Germany

†**Western Electric Eng. (USA)** (1968—)
Coden: WELEAX ISSN 0043-3659
Western Electric Engineer Western Electric Co., 222 Broadway, New York, NY 10038, USA

What Buy Bus. (GB) (no.3 3 June 1983—)
ISSN 0265-296X
What to Buy for Business Oppenheim Derrick & Co. Ltd., 11 Kings Road, London SW3, England

What's New Comput. (GB) (May 1982—)
Coden: WNCODG ISSN 0262-2734
What's New in Computing Morgan-Grampian Ltd., Calderwood Street, London SE18 6QH, England

Which Comput. (GB) (vol.2, no.10 Oct. 1978—)
Coden: WHCOD8 ISSN 0140-3435
Which Computer? Which Computer? Ltd., 30-31 Islington Green, London N1, England

†**Which Word Process. & Off. Syst. (GB)** (vol.3, no.5 Sept. 1982—)
Coden: WWPSDK ISSN 0143-6392
Which Word Processor & Office System? Formerly: Which Word Process. (GB)
Durrant House, 8 Herbal Hill, London EC1R 5JB, England

Which Word Process. (GB) (vol.1, no.1 Jan. 1980—)
Coden: WWPRDH ISSN 0143-6392
Which Word Processor? Title changed to: Which Word Process. & Off. Syst. (GB)

Wiad. Elektrotech. (Poland) (vol.41, no.7 July 1973—)
Coden: WDELAC ISSN 0043-5112
Wiadomsci Elektrotechniczne Wydawnictwa Czasopism I Ksiazek Technicznych, ul Swietokrzyska 14a, 00-950 Warszawa, Skrytha 1004, Poland

Wiad. Telekomun. (Poland) (vol.13, no.2 Feb. 1973—)
Coden: WDTEAW ISSN 0043-5198
Wiadomosci Telekomunikacyjne Editorial address: Warszawa, Kazimierzowska 52, Poland

Wind Eng. (GB) (vol.5, no.1 1981—)
Coden: WIENDM ISSN 0309-524X
Wind Engineering Multi-Science Publishing Co., 42/45 New Broad Street, London EC2M 1QY, England

Wire (Germany) (vol. 29, no. 1 Jan-Feb 1979—)
Coden: WIRDAK ISSN 0043-5996
Wire Meisenbach KG, Hainstrasse 18, P.O. Box 2069, D-8600 Bamberg, Germany

Wire J. Int. (USA) (vol.14, no.9 Sept. 1981—)
Coden: WIRJA4 ISSN 0043-602X
Wire Journal International Wire Journal Inc., 1570 Boston Post Road, P.O.Box H, Guildford, CT 06437, USA

Wire Tech (USA) (vol.11, no.2 March 1983—)
Coden: WITEE3
Wire Tech Formerly: Wire Technol. (USA)
Huebner Publications Inc., 6521 Davis Industrial Parkway, Solon, OH 44139, USA

Wire Technol. (USA) (vol.7, no.2 1979—)
Coden: WITED2 ISSN 0361-4565
Wire Technology Title changed to: Wire Tech (USA)

Wire World Int. (Germany) (vol.13, no.4 July-Aug. 1971—)
Coden: WWINAZ ISSN 0043-6046
Wire World International Vogel-Verlag, Talstrasse 32a, P.O. Box 8311, D-4000 Dusseldorf, Germany

Wireless World
See: Electron. & Wireless World (GB)

Wireless World (GB) (1968—)
Coden: WIWOAA ISSN 0043-6062
Wireless World Title changed to: Electron. & Wireless World (GB)

Wiring Install. & Supplies (GB) (no.5 1978—)
Coden: WISUDB ISSN 0308-8650
Wiring Installations and Supplies Peter Peregrinus Ltd., P.O. Box 8, Southgate House, Stevenage, Herts. SG1 1HQ, England

Wiss. Ber. AEG-Telefunken (Germany) (vol.44, no.1 1971—)
Coden: WBATB3 ISSN 0043-6801
Wissenschaftliche Berichte AEG-Telefunken Elitera Verlag, 1 Berlin 33 (Grunewald), Fritz-Wildungstrasse 22, Germany

Wiss. Z. Elektrotech. (Germany) (1968—)
Coden: WZEKAR
Wissenschaftliche Zeitschrift der Elektrotechnik Incorporated in: Z. Elektr. Inf.- & Energietech. (Germany)

Wiss. Z. Friedrich-Schiller-Univ. Jena, Math. Naturwiss. Reihe (Germany) (vol.18, no.1 1969—)
Coden: WZFMA4 ISSN 0043-6836
Wissenschaftliche Zeitschrift der Friedrich-Schiller-Universitaet Jena, Mathematisch-Naturwissenschaftliche Reihe Friedrich-Schiller Universitaet, Jena, Am Anger 24, Germany

Wiss. Z. Hochsch. Maschinenbau Karl-Marx-Stadt (Germany) (1968—)
Coden: WZMMA5
Wissenschaftliche Zeitschrift der Hochschule fur Maschinenbau Karl-Marx-Stadt Title changed to: Wiss. Z. Tech. Hochsch. Karl-Marx-Stadt (Germany)

Wiss. Z. Karl-Marx-Univ. Leipzig Math.-Naturwiss. Reihe (Germany) (vol.20, no.4-5 1971—)
Coden: WZMNA8
Wissenschaftliche Zeitschrift Karl-Marx-Universitat Leipzig. Mathematisch-Naturwissenschaftliche Reihe 701 Leipzig, Ritterstrasse 14, Germany

Wiss. Z. Tech. Hochsch. Ilmenau (Germany) (1968—)
Coden: WZTHAP ISSN 0043-6917
Wissenschaftliche Zeitschrift der Technischen Hochschule Ilmenau Strasse der Jungen Techniker 21, Ilmenau, Germany

Wiss. Z. Tech. Hochsch. Karl-Marx-Stadt (Germany) (1968—)
Coden: WZTKAY ISSN 0372-7610
Wissenschaftliche Zeitschrift der Technischen Hochschule Karl-Marx-Stadt Formerly: Wiss. Z. Hochsch. Maschinenbau Karl-Marx-Stadt (Germany)
DDR-9001, Karl-Marx-Stadt, Postfach 964, Germany

Wiss. Z. Tech. Hochsch. Otto von Guericke Magdeburg (Germany) (1968—)
Coden: WCGMAI ISSN 0541-8933
Wissenschaftliche Zeitschrift der Technischen Hochschule Otto von Guericke Magdeburg 3010 Magdeburg, PSF 124, Germany

Wiss. Z. Tech. Univ. Dresden (Germany) (1968—)
Coden: WZTUAU ISSN 0043-6925
Wissenschaftliche Zeitschrift der Technischen Universitat Dresden Mommsenstrasse 13, Dresden A227, Germany

Wiss. Z. Univ. Rostock Ges.-Sprachwiss. Reihe (Germany) (vol.19, no.1 1970—)
Coden: WZRGAC ISSN 0323-4681
Wissenschaftliche Zeitschrift der Universitat Rostock. Gesellschafts-und Sprachwissenschaftliche Reihe Rostock, Vogelsang 13/14, Germany

Wiss.-Tech. Inf. VEB Kombinat Automatisierungsanlagenbau (Germany) (vol.17, no.1 1981—)
Coden: WIVKDU ISSN 0138-5348
Wissenschaftlich-Technische Informationen des VEB Kombinat Automatisierungsanlagenbau DDR-1136 Berlin, Rhinstrasse 100, Germany

Word & Inf. Process. (GB) (Jan. 1982—)
Coden: WIPRDL
Word & Information Processing Formerly: Word Process. Now (GB)
Maclean Hunter Ltd., 76 Oxford Street, London W1, England

Word Process. & Inf. Syst. (USA) (vol.8, no.1 Jan. 1981—)
Coden: WPISD4 ISSN 0279-7992
Word Processing & Information Systems Formerly: Word. Process. Syst. (USA). Merged with Adm. Manage. (USA) to form Off. Adm. & Autom. (USA)

Word Process. Now (GB) (Jan. 1981—)
Coden: WPNODH
Word Processing Now Title changed to: Word & Inf. Process. (GB)

Word Process. Syst. (USA) (vol.6, no.9 Sept. 1979—)
Coden: WPSYD4
Word Processing Systems Formerly: Word Process. World (USA). Title changed to: Word Process. & Inf. Syst. (USA)

Word Process. World (USA) (vol.5, no.6 July-Aug. 1978—)
Coden: WPWODS
Word Processing World Title changed to: Word. Process. Syst. (USA)

Work Study & Manage. Serv. (GB) (vol.16, no.11 Nov. 1972—)
Coden: WSMAAM
Work Study & Management Services Title changed to: Manage. Serv. (GB)

Works & Plant Maint. (GB) (vol.3, no.7 Sept. 1982—)
Coden: WPMAD4
Works & Plant Maintenance Business Publications Ltd., 100-119 Waterloo Road, London SE1 8UL, England

World Banking (USA) (vol.1, no.5 Sept.-Oct. 1982—)
Coden: WOBADA ISSN 0730-8736
World of Banking Bank Administration Institute, 60 Gould Center, Rolling Meadows, IL 60008, USA

World Patent Inf. (USA) (vol.3, no.2 April 1981—)
Coden: WPAID2 ISSN 0172-2190
World Patent Information Pergamon International Information Corp., 1340 Old Chain Bridge Road, McLean, VA 22101, USA. Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Wuli (China) (no.1 1978—)
Coden: WULIAL ISSN 0379-4148
Wuli Science Press, Peking, People's Republic of China. Subscription address: Guozi Shudian, P.O. Box 399, Peking

X-ray Spectrom. (GB) (vol.8, no.2 April 1979—)
Coden: XRSPAX ISSN 0049-8246
X-ray Spectrometry Heyden & Son Ltd., Spectrum House, Hillview Gardens, London NW4 2JQ, England

Yad. Energ. (Bulgaria) (no.13 1981—)
Coden: YAENDM ISSN 0204-6989
Yadrena Energiya Bulgarian Academy of Sciences, Institute of Nuclear Research and Nuclear Energy, 72 Lenin Boulevard, Sofia 1113, Bulgaria

Yad. Fiz. (USSR) (1968—)
Coden: IDFZA7 ISSN 0044-0027
Yadernaya Fizika Izdatel'stvo 'Nauka', 103717 GSP Moskva K-62, Podsosenskii Per. 24, USSR [English translation in: *Sov. J. Nucl. Phys. (USA)*]

Yamagata Daigaku Kiyo, Kogaku
See: Bull. Yamagata Univ. (Eng.) (Japan)

Yamagata Daigaku Kiyo, Shizenkagaku
See: Bull. Yamagata Univ. (Nat. Sci.) (Japan)

Yamagata Univ. (Nat. Sci.) Bull.
See: Bull. Yamagata Univ. (Nat. Sci.) (Japan)

Yamagata Univ. Bull. (Eng.)
See: Bull. Yamagata Univ. (Eng.) (Japan)

Yamaguchi Daigaku Kogakubu Kenkyu Hokoku
See: Mem. Fac. Eng. Yamaguchi Univ. (Japan)

Yamaguchi Univ. Fac. Eng. Mem.
See: Mem. Fac. Eng. Yamaguchi Univ. (Japan)

Yamaguchi Univ. Technol. Rep.
See: Technol. Rep. Yamaguchi Univ. (Japan)

Yamanashi Daigaku Kogakubu Kenkyu Hokoku
See: Rep. Fac. Eng. Yamanashi Univ. (Japan)

Yamanshi Univ. Fac. Eng. Rep.
See: Rep. Fac. Eng. Yamanashi Univ. (Japan)

Yogyo-Kyokai-Shi (Japan) (vol.79, no.914 1971—)
Coden: YGKSA4 ISSN 0009-0255
Yogyo-Kyokai-Shi (Journal of the Ceramic Society of Japan) 22-17, 2-chome, Hyakunin-cho, Shinjuku-ku, Tokyo 160, Japan

Yokohama Natl. Univ. Fac. Eng. Bull.
See: Bull. Fac. Eng. Yokohama Natl. Univ. (Japan)

Yokohama Natl. Univ. Sci. Rep. Sect. I
See: Sci. Rep. Yokohama Natl. Univ. Sect. I (Japan)

Your Comput. (GB) (vol.3, no.1 Jan. 1983—)
Coden: YOCODB ISSN 0263-0885
Your Computer IPC Electrical-Electronic Press Ltd., Quadrant House, The Quadrant, Sutton, Surrey SM2 5AS, England

Z. Allg. Wissenschaftstheor. (Germany) (vol.2, no.2 1971—)
Coden: ZAWTA2 ISSN 0044-2216
Zeitschrift fur Allgemeine Wissenschaftstheorie (Journal for General Philosophy of Science) Franz Steiner Verlag, 62 Wiesbaden, Postfach 5529, Germany

Z. Angew. Math. & Mech. (Germany) (vol.50, no.10 Oct. 1970—)
Coden: ZAMMAX ISSN 0044-2267
Zeitschrift fur angewandte Mathematik und Mechanik Akademie-Verlag GmbH, 108 Berlin, Leipziger Strasse 3-4, Germany

Z. Angew. Math. & Phys. (Switzerland) (1968—)
Coden: ZAMPA8 ISSN 0044-2275
Zeitschrift fur angewandte Mathematik und Physik Verlag Birkhauser, Postfach 4000, Basel 24, Switzerland

Z. Angew. Phys. (Germany) (1968—)
Coden: ZAPHAX
Zeitschrift fur angewandte Physik Title changed to: Appl. Phys. (Germany)

Z. Eisenbahnwes. & Verkehrstech. (Glasers Ann.) (Germany) (vol.96, no.6 June 1972—)
Coden: ZEVGAK ISSN 0373-322X
Zeitschrift fur Eisenbahnwesen und Verkehrstechnik (Glasers Annalen) Formerly: Glasers Ann. (Germany)
George Siemens Verlagsbuchhandlung, 1 Berlin 30, Lutzwstrasse 105/106, Germany

†**Z. Elektr. Inf.- & Energietech. (Germany)** (vol.1, no.1 1971—)
Coden: ZEIZAC ISSN 0046-8398
Zeitschrift fur Elektrische Informatins- und Energietechnik Akademische Verlagsgesellschaft Geest & Portig K.G., DDR 701 Leipzig, Sternwartenstrasse 8, Germany. Incorporates Hochfrequenztech. & Elektroakust. (Germany) and Wiss. Z. Elektrotech. (Germany)

Z. Flugwiss. & Weltraumforsch. (Germany) (vol.1, no.1 1977—)
Coden: ZFWEDT ISSN 0342-068X
Zeitschrift fur Flugwissenschaften und Weltraumforschung Formerly: Z. Flugwiss. (Germany)
DFVLR, Postfach 3267, D-3000 Braunschweig, Germany

Z. Flugwiss. (Germany) (vol.19, no.8-9 Aug.-Sept. 1971—)
Coden: ZEFLAN
Zeitschrift fur Flugwissenschaften Title changed to: Z. Flugwiss. & Weltraumforsch. (Germany)

Z. Geophys.
See: J. Geophys. (Germany)

Z. Geophys. (Germany) (1968—)
Coden: ZEGEA7
Zeitschrift fur Geophysik Title changed to: J. Geophys. (Germany)

Z. Instrumentenk. (Germany) (1968—)
Coden: ZEINAA
Zeitschrift fur Instrumentenkunde Title changed to: Messtechnik (Germany)

Z. Kristallogr. (Germany) (vol.131, no.6 Sept. 1970—)
Coden: ZEKRDZ ISSN 0044-2968
Zeitschrift fur Kristallographie Akademische Verlagsgesellschaft, Postfach 1107, D-6200 Wiesbaden, Germany

Z. Math. Logik & Grundlagen Math. (Germany) (vol.14, no.4 1968—)
Coden: ZMLGAQ ISSN 0044-3050
Zeitschrift fur Mathematische Logik und Grundlagen der Mathematik Deutscher Buch-Export und Import GmbH, 701 Leipzig, Leninstrasse 16, Germany

†**Z. Metallkd. (Germany)** (1968—)
Coden: ZEMTAE ISSN 0044-3093
Zeitschrift fur Metallkunde Dr.Riederer-Verlag GmbH., D-7 Stuttgart 1, Johannesstrasse 60, Postfach 447, Germany

Z. Meteorol. (Germany) (vol.31, no.2 1981—)
Coden: ZMETAU ISSN 0084-5361
Zeitschrift fur Meteorologie Akademie-Verlag, DDR-1080 Berlin, Leipziger Strasse 3-4, Germany

Z. Naturforsch. a (Germany) (1968—)
Coden: ZENAAU ISSN 0340-4811
Zeitschrift fur Naturforschung (a): Astrophysik, Physik und physikalische Chemie Title changed to: Z. Naturforsch. Teil A (Germany)

†**Z. Naturforsch. Teil A (Germany)** (vol.38A, no.8 Aug. 1983—)
Coden: ZENAAU ISSN 0340-4811
Zeitschrift fur Naturforschung, Teil A (Physik, Physikalische Chemie, Kosmophysik) Formerly: Z. Naturforsch. a (Germany)
Verlag der Zeitschrift fur Naturforschung, P.O.Box 2645, D-7400 Tubingen, Germany

†**Z. Oper. Res. Ser. A (Germany)** (vol.16, no.1 1972—)
Coden: ZORTB8 ISSN 0340-9422
Zeitschrift fur Operations Research, Serie A: Theorie Physica-Verlag Rudolf Liebing KG, D-87 Wurzburg 2, Werner von Siemens Strasse 5, Germany. Supersedes in part: Unternehmensforschung (Germany)

Z. Oper. Res. Ser. B (Germany) (vol.16, no.2 1972—)
Coden: ZORPBU ISSN 0340-9422
Zeitschrift fur Operations Research, Serie B: Praxis Physica-Verlag Rudolf Liebing KG, D-87 Wurzburg 2, Werner von Siemens Strasse 5, Germany. Supersedes in part: Unternehmensforschung (Germany)

†**Z. Phys. A (Germany)** (1968—)
Coden: ZPAADB ISSN 0340-2193
Zeitschrift fur Physik A (Atoms and Nuclei) Springer-Verlag, D-6900 Heidelberg 1 Postfach 105 280, Germany

Z. Phys. B (Germany) (vol.20, no.1 1975—)
Coden: ZPBBDJ ISSN 0340-224X
Zeitschrift fur Physik B (Condensed Matter and Quanta) Formerly: Phys. Condens. Matter (Germany) Title changed to: Z. Phys. B (Germany)

†**Z. Phys. B (Germany)** (vol.44, no.1 1981—)
Coden: ZPCMDN ISSN 0722-3277
Zeitschrift fur Physik B (Condensed Matter) Formerly: Z. Phys. B (Germany)
Springer-Verlag, Postfach 10 52 80, D-6900 Heidelberg 1, Germany

†**Z. Phys. C (Germany)** (vol.1, no.1 1979—)
Coden: ZPCFD2 ISSN 0170-9739
Zeitschrift fur Physik C (Particles and Fields) Springer-Verlag, P.O. Box 105280, D-6900 Heidelberg 1, Germany

Z. Phys. Chem., Leipzig (Germany) (1968—)
Coden: ZPCLAH ISSN 0323-4479
Zeitschrift fur physikalische Chemie Akademische Verlagsgesellschaft Geest und Portig K.-G., Sternwartenstrasse 8, 701 Leipzig, Germany

Z. Phys. Chem., Wiesbaden (Germany) (1968—)
Coden: ZPCFAX ISSN 0044-3336
Zeitschrift fur physikalische Chemie. Neue Folge Akademische Verlagsgesellschaft, Bahnhofstrasse 39, 6200 Wiesbaden, Germany

Z. Vermessungswes. (Germany) (vol.96, no.9 Sept. 1971—)
Coden: ZTVRAM ISSN 0340-4560
Zeitschrift fur Vermessungswesen Verlag Konrad Wittwer KG, Postfach 147, D-7000 Stuttgart 1, Germany

Z. Werkstofftech. (Germany) (vol.14, no.9 Sept. 1983—)
Coden: ZWKTAS ISSN 0049-8688
Zeitschrift fur Werkstofftechnik (Materials Technology and Testing) Verlag Chemie GmbH, Postfach 1260/1280, Pappelallee 3, D-6940 Weinheim, Germany

Z. Wirtsch. Fertigung
See: ZWF Z. Wirtsch. Fertigung (Germany)

Zagadnienia Drgan Nieliniowych
See: Nonlinear Vibr. Probl. (Poland)

† indicates a journal abstracted completely

Zagadnienia Drgan Nieliniowych (Poland) (no.11 1971—)
Coden: ZDNIAD
Zagadnienia Drgan Nieliniowych (Nonlinear Vibration Problems) Title changed to: Nonlinear Vibr. Probl. (Poland)

Zairyo
See: J. Soc. Mater. Sci. Jpn. (Japan)

ZANCO Ser. A (Iraq) (vol.5, no.2 1979—)
Coden: ZASADU ISSN 0250-5606
ZANCO. Scientific Journal of Sulaimaniyah University Series A: Pure and Applied Sciences Sulaimaniyah, Iraq

Zavod. Lab. (USSR) (vol.35, no.3 1969—)
Coden: ZVDLAU ISSN 0321-4265
Zavodskaya Laboratoriya 2-i, Obydenskii Per., D, 14, Moskva, G-34, USSR [English translation in: *Ind. Lab. (USA)*]

Zb. Rad. Prir.-Mat. Fak. Ser. Fiz. (Yugoslavia) (vol.9 1979—)
Coden: ZRPFDD ISSN 0350-140X
Zbornik Radova Prirodno-Matematickog Fakulteta, Serija za Fiziku University of Novi Sad, Faculty of Sciences, Novi Sad, PF 239, Yugoslavia

Zeiss Inf. (Germany) (no.64 1968—)
Coden: ZEISAP ISSN 0044-2054
Zeiss Information Carl Zeiss, Oberkochen/ Wurtt, Germany

†**Zesz. Nauk. Politech. Lodz. Elektr. (Poland)** (1968—)
Coden: ZNPEAD ISSN 0374-4817
Zeszyty Naukowe Politechniki Lodzkiej Elektryka Redakcja Wydawnictw Naukowych Politechniki Lodzkiej. Lodz. Ul. Gdanska 155, Poland

Zesz. Nauk. Politech. Lodz. Fiz. (Poland) (no.5 1979—)
Coden: ZNPFDJ
Zeszyty Naukowe Politechnika Lodzka Fizyka Redakcja Wydawnictw Naukowych Politechnika Lodzkeij, 93-005 Lodz, ul. Wolczanska 219, Poland

†**Zh. Eksp. & Teor. Fiz. (USSR)** (1968—)
Coden: ZETFA7 ISSN 0044-4510
Zhurnal Eksperimentalnoi i Teoreticheskoi Fiziki Akademiya Nauk SSSR, Leninskii Prosp. 14, Moskva Editorial address: Varob'evskoe Shosse 2, Moskva V-334, USSR [English translation in: *Sov. Phys.-JETP (USA)*]

Zh. Eksp. & Teor. Fiz. Pis'ma v Red. (USSR) (1968—)
Coden: ZFPRAU
Zhurnal Eksperimental'noi i Teoretichskoi Fiziki. Pis'ma v Redaktsiyu Title changed to: Pis'ma v Zh. Eksp. & Teor. Fiz. (USSR)

Zh. Nauchnoi & Prikl. Fotogr. & Kinematogr. (USSR) (vol.17, no.4 July-Aug. 1972—)
Coden: ZNPFAG ISSN 0044-4561
Zhurnal Nauchnoi i Prikladnoi Fotografii i Kinematografii Izdatel'stvo 'Nauka', Moskva, USSR

Zh. Prikl. Mekh. & Tekh. Fiz. (USSR) (1968—)
Coden: ZPMFAF ISSN 0044-4626
Zhurnal Prikladnoi Mekhaniki i Tehknicheskoi Fiziki Sovetskaya 20, Novosibirsk, USSR [English translation in: *J. Appl. Mech. & Tech. Phys. (USA)*]

Zh. Prikl. Spektrosk. (USSR) (1968—)
Coden: ZPSBAX ISSN 0514-7506
Zhurnal Prikladnoi Spektroskopii Editorial address: Institut Fiziki AN BSSR, Leninskii Prosp. 70, Minsk GSP, USSR [English translation in: *J. Appl. Spectrosc. (USA)*]

Zh. Strukt. Khim. (USSR) (vol.13, no.1 Jan.-Feb. 1972—)
Coden: ZSTKAI ISSN 0044-4634
Zhurnal Strukturnoi Khimii Editorial address: Director, Institute of Inorganic Chemistry, Siberian Branch, Academy of Sciences of the USSR, USSR [English translation in: *J. Struct. Chem. (USA)*]

†**Zh. Tekh. Fiz. (USSR)** (1968—)
Coden: ZTEFA3 ISSN 0044-4642
Zhurnal Tekhnicheskoi Fiziki Izdatel'stvo 'Nauka', Leningrad, USSR [English translation in: *Sov. Phys.-Tech. Phys. (USA)*]

Zh. Vychisl. Mat. & Mat. Fiz. (USSR) (1968—)
Coden: ZVMFAN ISSN 0044-4669
Zhurnal Vychislitel'noi Matematiki i Matematicheskoi Fiziki Akademiya Nauk SSSR, Leninskii Prosp. 14, Moskva. Editorial address: ul. Vavilova 28, Moskva V-333, USSR [English translation in: *USSR Comput. Math. & Math. Phys. (GB)*]

Zhizuoka Univ. Res. Inst. Electron. Bull.
See: Bull. Res. Inst. Electron. Shizuoka Univ. (Japan)

Zimbabwe Eng. (vol.18, no.3 May 1980—)
Coden: ZIENDL ISSN 0251-1037
Zimbabwe Engineer Formerly: Rhod. Eng. (Rhodesia)
Rhodesian Institution of Engineers, First Floor, 256 Jameson Avenue East, Salisbury, Zimbabwe

Zimbabwe Sci. Assoc. Trans.
See: Trans. Zimbabwe Sci. Assoc.

Zisin. J. Seismol. Soc. Jpn. (Japan) (vol.32, no.1 March 1979—)
Coden: ZISIA5 ISSN 0037-1114
Zisin. Journal of the Seismological Society of Japan c/o Earthquake Research Institute, Tokyo University, Yayoi, Bunkyo-ku, Tokyo, Japan

ZWF Z. Wirtsch. Fertigung (Germany) (vol.71, no.12 Dec. 1976—)
Coden: ZTWFAP ISSN 0044-3743
ZWF Zeitschrift fur Wirtschaftliche Fertigung Carl Hanser Verlag, Kolbergerstrasse 22, D-8000 Munchen 80, Germany

List of other Serial Sources

The 440 publications listed below are those non-journal serials which are regularly scanned for the INSPEC database. These include book series, numbered report series, conference series etc. It should be noted that although these publications are regularly scanned for the INSPEC database they are treated individually as separate books, reports, conferences etc. rather than under the serial title.

The entries are arranged in alphabetical order of abbreviated title on the nothing-before-something principle.

A.P.I.C. Stud. Data Process. (GB)
ISSN 0067-2483
A.P.I.C. Studies in Data Processing Academic Press Inc. (London) Ltd., 24-28 Oval Road, London NW1 7DX, England

Acoust. Imaging (USA)
Coden: ACIGD9 ISSN 0270-5117
Acoustical Imaging Plenum Press, 233 Spring Street, New York, NY 10013, USA

Adam Hilger Monogr. Astron. Subj. (GB)
Adam Hilger Monographs on Astronomical Subjects Adam Hilger Ltd., Techno House, Redcliffe Way, Bristol BS1 6NX, England

Addison-Wesley Ser. Comput. (USA)
Addison-Wesley Series in Computing Addison-Wesley Publishing Co., Advanced Book Program, Reading, MA 01867, USA

Addison-Wesley Ser. Comput. Sci. & Inf. Process. (USA)
Addison-Wesley Series in Computer Science and Information Processing Addison-Wesley Publishing Co., Advanced Book Program, Reading, MA 01867, USA

Addison-Wesley Syst. Program. Ser. (USA)
Addison-Wesley Systems Programming Series Addison-Wesley Publishing Co., Advanced Book Program, Reading, MA 01867, USA

Adv. Appl. Mech. (USA)
Coden: AAMCAY ISSN 0065-2156
Advances in Applied Mechanics Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

Adv. Appl. Pattern Recognition (USA)
Advanced Applications in Pattern Recognition Plenum Press, 233 Spring Street, New York, NY 10013, USA

Adv. Astronaut. Sci. (USA)
Advances in the Astronautical Sciences Published for the American Astronautical Society by Univelt Inc., P.O.Box 28130, San Diego, CA 92128, USA

Adv. At. & Mol. Phys. (USA)
Coden: AAMOA2 ISSN 0065-2199
Advances in Atomic and Molecular Physics Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA

Adv. Biomed. Eng. (USA)
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